

# Immunization Coverage

## State of Utah:



Utah Department of Health  
**IMMUNIZATION  
PROGRAM**

Immunize for healthy lives

# Immunization Coverage Report

State of Utah: 2005

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This annual immunization coverage report provides an overview of immunization information about Utah residents across the lifespan.

Although this report is not totally comprehensive, it is an attempt to gather immunization data from multiple, pertinent sources and present them in a simple, concise format. This second annual report is a follow-up to the introductory report published in September 2004 and information has been added and updated according to recommendations by various stakeholders at the state and local level. Moving the publication date to July has altered the availability of some data for inclusion in the 2005 report.

The *Immunization Coverage Report, State of Utah: 2005* supports the mission and goal of state and local immunization programs:

*... to improve the health of Utah's citizens through vaccinations to reduce illness, disability, and death from vaccine-preventable infections.*

For simplicity of organization, the 12 local health departments have been utilized in this report as the geographic boundaries of reporting service areas. Statewide information is also presented. For each service area, the information is divided into two broad categories: *General Information* and *Immunization Information*.

Limited comments may follow a graph or chart, but the detailed footnotes will be found on the *Reference Notes* page located toward the back of the report. These explanatory footnotes are intended to provide information on data sources, programs and limitations on data interpretation (i.e., across provider groups for CASA; Head Start reporting groups; etc.)

Where applicable, county specific information is presented. As some service areas may have a particular type of information available to report, that same type of information may not be available or applicable for reporting in another service area.

New to this year's report are the *Appendices*. Information appearing in these sections varies from that reported in the body of the report, i.e., data from a limited geographic area, a sub-population group, and disease trends. When reviewing the disease trends of reportable diseases it is important to remember that reporting varies among the different health districts.

## Population & Poverty

## Age Groups, Poverty Rate

The changing nature of Utah's Population requires State immunization staff, public health officials, providers, and other public health workers to be increasingly familiar with the state's shifting demographic situation.

The health of a family is often affected by socioeconomic factors. Poverty can be an indirect contributor to disease and illness, including delayed immunizations. A clear understanding is necessary to identify, analyze and move forward with appropriate targeted goals for immunizations across the lifespan.

## Uninsured & Insurance Type

## Uninsured, Insured, Medicaid, Medicare and CHIP

Insurance status has a profound effect on access to adequate health care across the lifespan. Eligibility for families to qualify for Medicaid, CHIP, and WIC assistance is based on Federal Poverty levels and age. Medicare eligibility is based on age.

The 2003 - 2004 Health Status Survey showed 9.6% of Utah residents (all ages) have no health insurance.

## Child and School Health

## WIC, Child Care and Schools, Enrollments

The 2005 Economic Report to the Governor (2005 Economic Report to the Governor, Governor's Office of Planning and Budget, Demographic and Economic Analysis) indicates that according to 2004 Census Bureau population estimates, nationally Utah has a larger percent of its total state population in the preschool age group than any other state. In Utah 9.9% of the total population is 0 through 4 years of age and 22.9% of the total population is 5 through 18 years of age (ibid.). Children attending daycare facilities, preschools, and school settings have increased chances for exposure to illness.

The 12 Utah Head Start (HS) programs serve children through federal grants for Head Start, Early Head Start, Migrant Head Start and American Indian Head Start. HS program areas do not correspond to LHD geographic service areas. Some data will be overlapping boundaries.

## Health Care

## Providers, School Nurses, Facility Types

The geographic distribution of health care providers (i.e., hospitals, community health center clinics, private providers) correlates strongly with families' ability to access and receive immunizations and primary health care in a medical home. Data is reported from the Women Infant and Children's Program (WIC), which provides assistance and education to families regarding healthy foods and preventive health care. Also reporting is data from Community Health Clinics (CHC) and Rural Health Clinics (RHC).

## Up-to-Date at Age Two

### CASA Assessment: Private Providers and LHDs

Up-to-Date at Age Two is the percentage of children, age two (24 months) that have received all doses of the recommended vaccines, at the appropriate recommended age. This standard of comparison is established by the Advisory Committee on Immunization Practices (ACIP) at CDC.

**4:3:1:3:3** is 4 doses of Diphtheria, Tetanus, Pertussis (DTaP); 3 doses of polio (IPV), 1 dose of Measles, Mumps, Rubella (MMR); 3 doses of Hib and 3 doses of Hepatitis B. Utah also looks at 1 dose of Varicella. The National Immunization Survey (NIS) will soon add Varicella to the assessed vaccines.

While Clinic Assessment Software Application (CASA) assessment procedures are standardized, CASA assessments for all private providers may not be done on an annual basis, as they are determined on compliance status and previous CASA rates.

The Vaccines for Children (VFC) Program, administered by the CDC through the National Immunization Program (NIP), provides free vaccines to providers (public and private) serving eligible children.

## Up-to-Date by Antigen / County

### CASA / County / Vaccine: 4:3:1:3:3 & Varicella

LHD's may contain multiple counties within its service area. Dramatic demographic differences may exist, so the Up-to-Date at Age Two is reported in smaller components for more specific information.

## School Age Children

### School Entry (Kindergarten) / Second Dose Measles (K – 12)

Required Kindergarten Entry Age Immunizations are: Diphtheria, Tetanus, Pertussis, Polio, Measles, Mumps, Rubella, Hepatitis B, Hepatitis A, and Varicella.

Children grades K-12 are required to have two doses of measles vaccine.

Every November 30<sup>th</sup>, by statute, all schools report student immunization information to the Utah Immunization Program. Conditional enrollment immunization information is also reported during the school year. By collaborative agreement with UDOH, school district immunization reports are provided to the Utah State Office of Education (USOE).

## Preschool Age Children

### Head Starts, Child Care Facilities, Preschools

Required Early Childhood Age Immunizations are: Diphtheria, Tetanus, Pertussis, Polio, Measles, Mumps, Rubella, Haemophilus Influenza Type B.

Child care facilities, preschools and Head Start programs report immunization information in the same manner as school districts.

## Adult Immunizations

### Influenza and Pneumococcal

The incidence of childhood vaccine-preventable diseases has declined dramatically, but similar success among adults has not been achieved. Adults suffer the vast majority of vaccine-preventable disease in the U.S. Vaccines remain underutilized, especially among persons at high risk for infection and disease complications, and among certain racial/ethnic populations.

The 2004 BRFSS (Behavioral Risk Factor Surveillance System) survey results on influenza and pneumococcal immunization data have been included. Appendix B includes 2004 long term care and assisted living facility patient and employee immunization information reported to the Immunization Program.

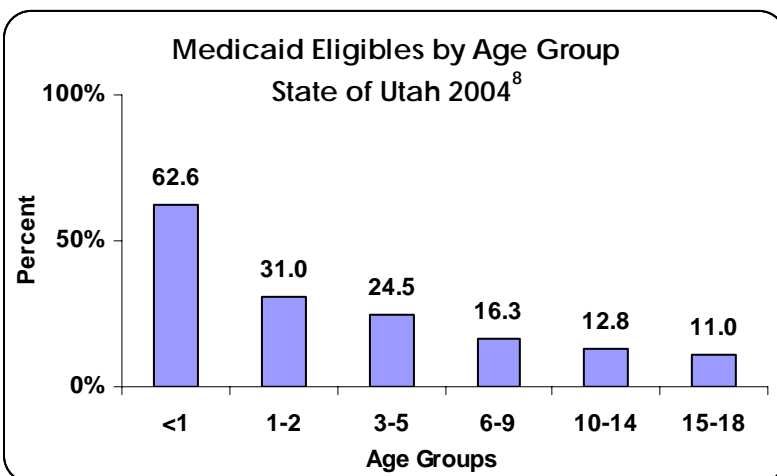
## Population & Poverty 2004

State	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>2,469,230</b>	
0-18	809,865	32.8%
19-64	1,451,445	58.8%
≥65	207,920	8.4%
≤100% Poverty <sup>2,*</sup>	244,400	9.9%
Population Age <5 <sup>1</sup>	244,299	9.9%
<5, ≤185% Poverty <sup>3,*</sup>	93,300	38.2%

\*Rounded to nearest 100.

## Uninsured by Age 2003-04

State	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>2,206,500</b>	<b>90.4%</b>
<b>Uninsured<sup>5</sup></b>	<b>234,900</b>	<b>9.6%</b>
17 and Under	58,900	7.7%
18 to 34	110,100	15.3%
35 to 49	47,400	10.4%
50 to 64	18,600	6.2%



## Insurance Type 2003-04

State	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>212,900</b>	<b>9.6%</b>
<b>Medicaid<sup>6</sup></b>	<b>184,300</b>	<b>8.4%</b>
<b>CHIP<sup>6,**</sup></b>	<b>26,200</b>	<b>3.7%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>187,700</b>	<b>8.8%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>52</b>	<b>17,456</b>
<b>WIC Infants<sup>9</sup></b>	<b>52</b>	<b>17,974</b>
<b>WIC Children<sup>9</sup></b>	<b>52</b>	<b>31,510</b>
<b>Child Care<sup>10,+</sup></b>	<b>419</b>	<b>28,062</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>197</b>	<b>5,594</b>
<b>Schools<sup>13</sup></b>	<b>950</b>	<b>504,536</b>
<b>School Districts</b>	<b>40</b>	<b>504,536</b>

+Only facilities that reported.

++Three facilities did not report.

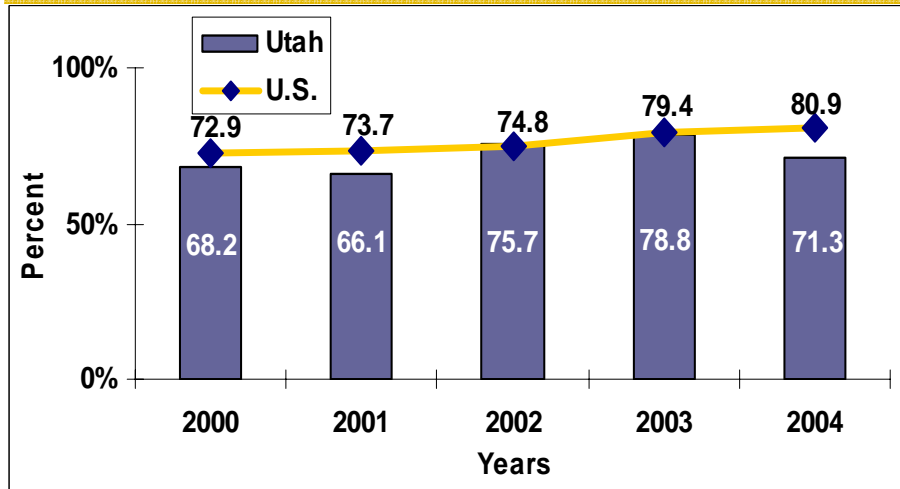
## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>217</b>
<b>School Nurses<sup>14</sup></b>	<b>127</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>32</b>
<b>Hospitals<sup>15</sup></b>	<b>45</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>266</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>48</b>

Counties & Local Health Districts Served

29 Counties, 12 Local Health Districts

## State NIS Coverage Status



## Utah NIS Rank<sup>16</sup>

2000	46th
2001	49th
2002	29th
2003	29th
2004	49th

*National Immunization Survey (NIS)* annually assesses immunization rates. The vaccination series was 4:3:1:3:3  
4 DTap, 3 Polio  
1 MMR, 3 Hib,  
3 Hep B

## Up-to-Date at Age Two

	2000	2001	2002	2003	2004
VFC Private Providers <sup>14,*</sup>	67%	70%	77%	53%	58%
FQHC/RHC <sup>14</sup>	NA	33%	64%	30%	49%
Local Health Dept <sup>14</sup>	87%	87%	87%	77%	73%

\*Site visit assessment rates are standardized using CASA, but private provider assessments may not be annual and are only done in VFC provider practices.

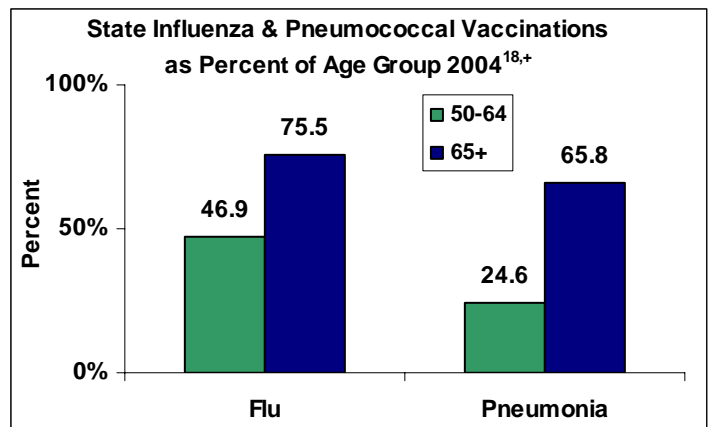
## Preschool & School 2004

	Adequately Immunized	Total Exemptions <sup>3</sup>
Child Care Facilities and Preschools <sup>14</sup>	90.4%	1.4%
Head Start Centers <sup>14,**</sup>	93.8%	1.1%
School Entry (Kindergarten) <sup>14</sup>	93.5%	2.8%
Second-Dose Measles (K-12) <sup>14</sup>	97.6%	1.9%

\*\*Three facilities did not report.

## Adult Immunizations Race/Ethnicity 2004

Ages 18 and over	Influenza <sup>17</sup>	Pneumococcal <sup>17</sup>
White/Non-Hispanic	38.4%	25.0%
Hispanic (All Races)	22.8%	19.0%
Non-White/Non-Hispanic	34.4%	26.5%
Total	36.9%	24.5%



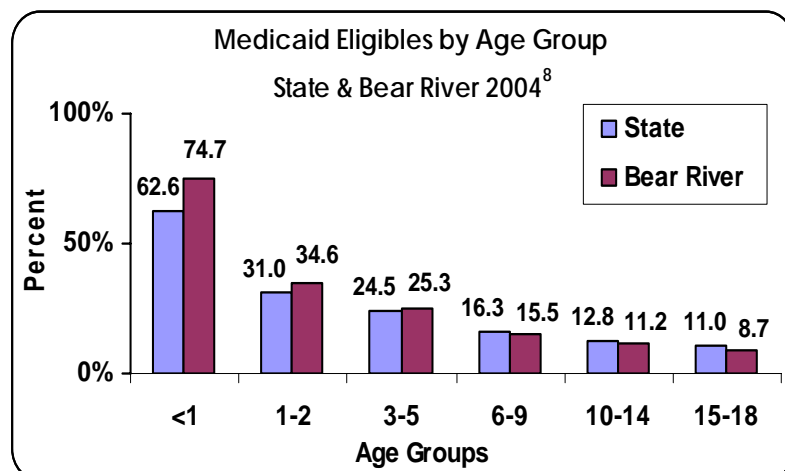
<sup>+</sup>Influenza=within past 12 months, pneumococcal=ever had

# Bear River General Information

## Population & Poverty 2004

Bear River	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>146,905</b>	
0-18	49,439	33.7%
19-64	85,530	58.2%
≥65	11,936	8.1%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>11,500</b>	<b>7.8%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>15,423</b>	<b>10.5%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>7,000</b>	<b>45.1%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Bear River	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>132,800</b>	<b>91.2%</b>
<b>Uninsured<sup>5</sup></b>	<b>12,800</b>	<b>8.8%</b>
17 and Under	3,400	7.2%
18 to 34	7,600	15.9%
35 to 49	1,400	5.9%
50 to 64	600	4.1%

## Insurance Type 2003-04

Bear River	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>11,800</b>	<b>8.9%</b>
<b>Medicaid<sup>6</sup></b>	<b>11,300</b>	<b>8.5%</b>
<b>CHIP<sup>6,**</sup></b>	<b>1,800</b>	<b>4.2%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>7,900</b>	<b>6.1%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>4</b>	<b>1,323</b>
<b>WIC Infants<sup>9</sup></b>	<b>4</b>	<b>1,171</b>
<b>WIC Children<sup>9</sup></b>	<b>4</b>	<b>2,192</b>
<b>Child Care<sup>10,+</sup></b>	<b>11</b>	<b>594</b>
<b>Head Start<sup>11,12</sup></b>	<b>11</b>	<b>494</b>
<b>Schools<sup>13</sup></b>	<b>64</b>	<b>28,761</b>

\*Only facilities that reported.

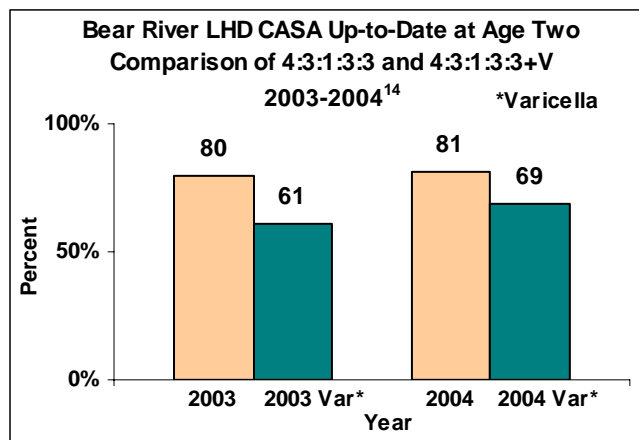
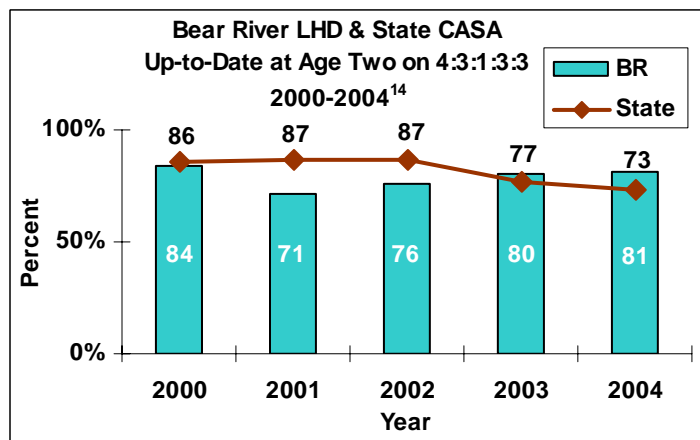
## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>14</b>
<b>School Nurses<sup>14</sup></b>	<b>6</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>2</b>
<b>Hospitals<sup>15</sup></b>	<b>3</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>17</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>5</b>

## Counties Served

Box Elder, Cache, Rich

# Bear River Immunization Information



## Up-to-Date at Age Two by Antigen 2004

Private VFC Providers:  
Up-to-Date at Age  
Two (4:3:1:3:3)<sup>14</sup>

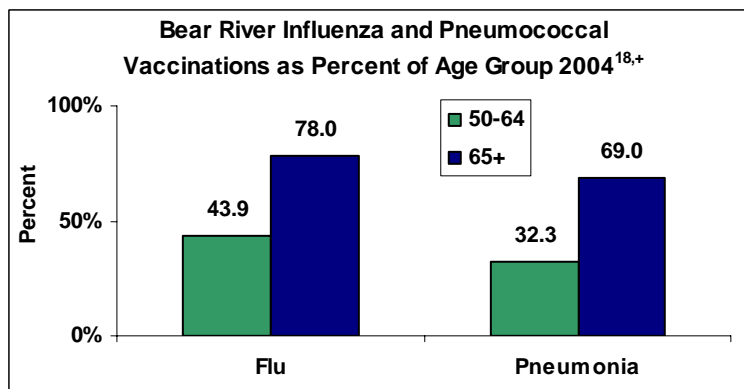
County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V		
Box Elder	98%	100%	98%	100%	91%	80%	89%	73%	2000	N/A
Cache	77%	94%	88%	90%	91%	78%	77%	67%	2001	7%
Rich	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2002	56%
<b>BRHD</b>	85%	96%	92%	94%	91%	79%	81%	69%	2003	56%
									2004	59%

## Adequately Immunized by School District 2004

Bear River <sup>14</sup>	Box Elder		Cache		Logan City		Rich	
	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt
School Entry Kindergarten	96.1%	2.6%	95.2%	2.9%	79.9%	4.6%	90.0%	10.0%
Second-Dose Measles (K-12)	98.3%	1.4%	98.4%	1.6%	97.1%	1.5%	97.0%	1.0%

## Preschool Immunizations 2004

Bear River <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	82.9%	1.2%
Head Start Centers	97.6%	0.6%



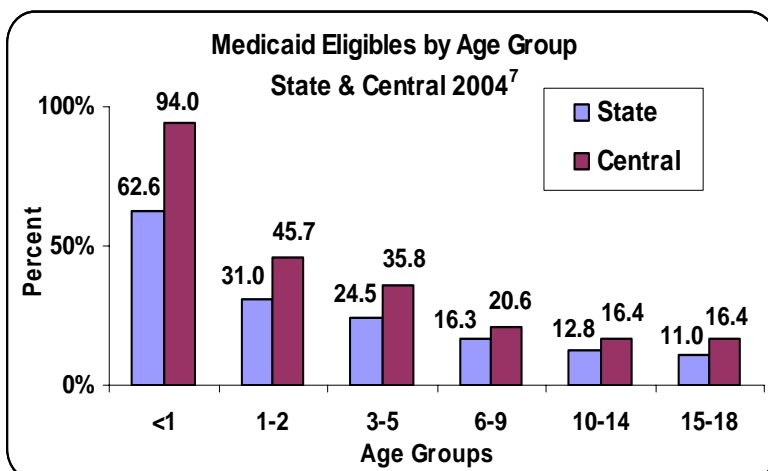
\*Influenza=within past 12 months, pneumococcal=ever had

# Central General Information

## Population & Poverty 2004

Central	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>70,295</b>	
0-18	23,258	33.1%
19-64	38,917	55.4%
≥65	8,120	11.5%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>14,300</b>	<b>20.4%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>5,802</b>	<b>8.3%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>3,400</b>	<b>59.2%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Central	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>60,200</b>	<b>86.0%</b>
<b>Uninsured<sup>5</sup></b>	<b>9,800</b>	<b>14.0%</b>
17 and Under	1,800	8.1%
18 to 34	4,200	22.9%
35 to 49	2,200	18.1%
50 to 64	1,500	15.2%

## Insurance Type 2003-04

Central	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>7,800</b>	<b>13.0%</b>
<b>Medicaid<sup>6</sup></b>	<b>8,500</b>	<b>14.2%</b>
<b>CHIP<sup>6,**</sup></b>	<b>2,300</b>	<b>11.5%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>5,900</b>	<b>9.5%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>10</b>	<b>572</b>
<b>WIC Infants<sup>9</sup></b>	<b>10</b>	<b>632</b>
<b>WIC Children<sup>9</sup></b>	<b>10</b>	<b>1,124</b>
<b>Child Care<sup>10,+</sup></b>	<b>19</b>	<b>610</b>
<b>Head Start<sup>11,12</sup></b>	<b>12</b>	<b>197</b>
<b>Schools<sup>13</sup></b>	<b>56</b>	<b>15,658</b>

+Only facilities that reported.

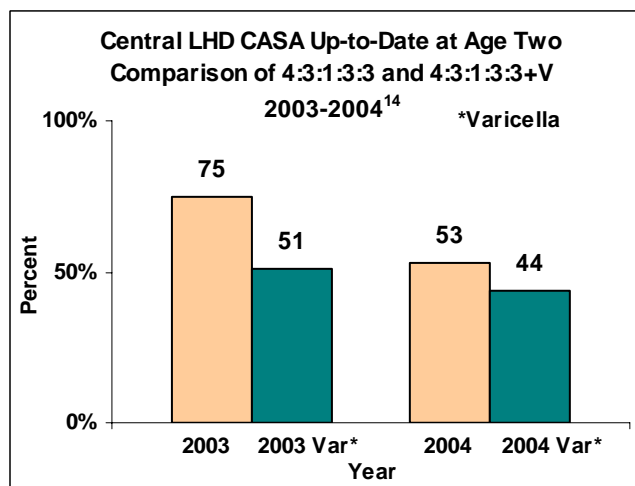
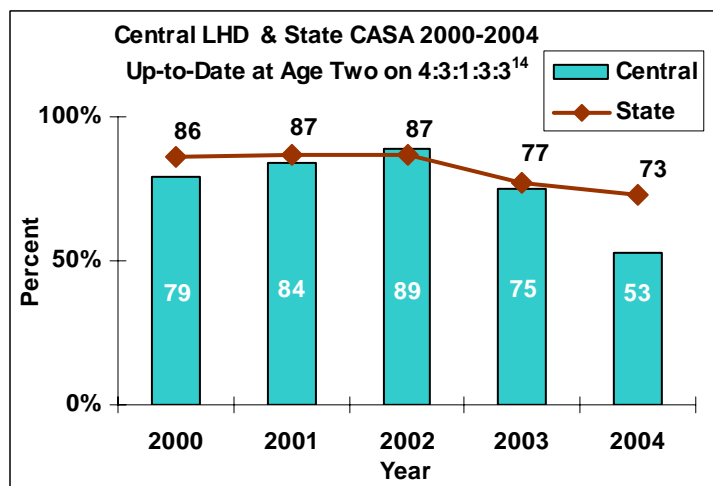
## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>13</b>
<b>School Nurses<sup>14</sup></b>	<b>8</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>3</b>
<b>Hospitals<sup>15</sup></b>	<b>6</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>17</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>8</b>

## Counties Served

Juab, Millard, Piute, Sanpete, Sevier, Wayne

# Central Immunization Information



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Juab	64%	73%	82%	82%	64%	82%	45%	36%
Millard	85%	97%	79%	97%	97%	82%	76%	67%
Piute	63%	88%	100%	88%	100%	75%	63%	38%
Sanpete	57%	79%	81%	81%	72%	66%	49%	40%
Sevier	50%	58%	58%	63%	50%	50%	38%	33%
Wayne	29%	57%	57%	71%	43%	14%	29%	14%
<b>CUPHD</b>	<b>62%</b>	<b>78%</b>	<b>76%</b>	<b>82%</b>	<b>74%</b>	<b>66%</b>	<b>53%</b>	<b>44%</b>

Private VFC Providers:  
Up-to-Date at Age  
Two (4:3:1:3:3)<sup>14</sup>

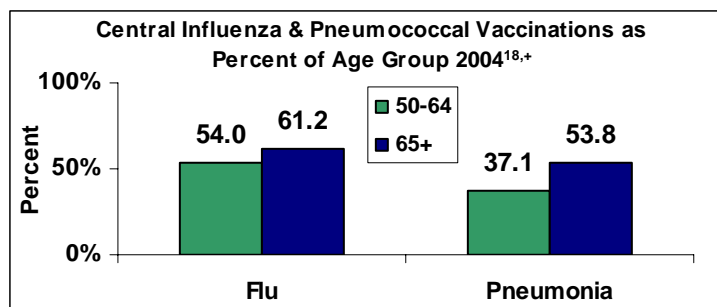
<b>2000</b>	<b>N/A</b>
<b>2001</b>	<b>67%</b>
<b>2002</b>	<b>47%</b>
<b>2003</b>	<b>49%</b>
<b>2004</b>	<b>46%</b>

## Adequately Immunized by School District 2004

	Juab		Millard		N Sanpete		Piute		Sevier		S Sanpete		Tintic		Wayne	
Central <sup>14</sup>	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp	Adeq Imm	Total Exmp
School Entry Kindergarten	96.0%	4.0%	95.7%	4.4%	92.4%	3.8%	100%	0%	95.7%	4.3%	90.5%	2.7%	100%	0%	96.9%	3.1%
Second-Dose Measles (K-12)	94.6%	5.4%	97.9%	2.1%	95.1%	3.7%	99.0%	1.0%	96.8%	2.8%	96.2%	3.4%	95.7%	3.9%	98.0%	2.0%

## Preschool Immunizations 2004

Central <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	92.6%	2.3%
Head Start Centers	90.4%	1.5%



<sup>18</sup>Influenza=within past 12 months, pneumococcal=ever had

# Davis County General Information

## Population & Poverty 2004

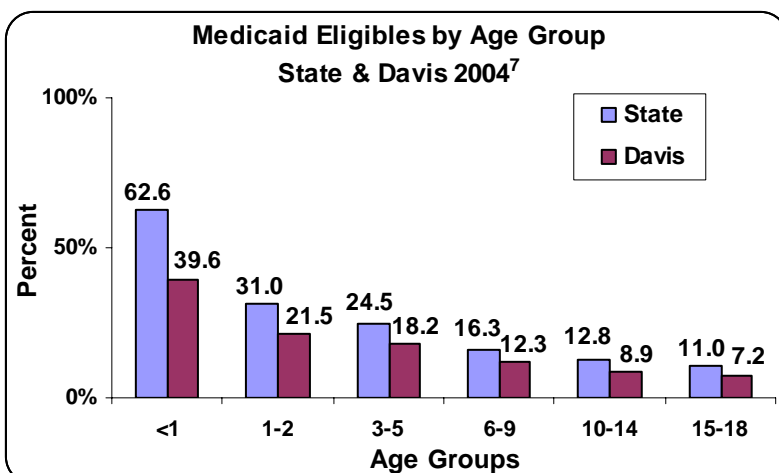
Davis	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>268,916</b>	
0-18	93,187	34.7%
19-64	155,811	57.9%
≥65	19,918	7.4%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>27,200</b>	<b>10.1%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>26,281</b>	<b>9.8%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>8,200</b>	<b>31.2%</b>

\*Rounded to nearest 100.

## Uninsured by Age 2003-04

Davis	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>251,400</b>	<b>94.7%</b>
<b>Uninsured<sup>5</sup></b>	<b>14,100</b>	<b>5.3%</b>
17 and Under	3,600	4.1%
18 to 34	7,300	9.8%
35 to 49	2,700	5.2%
50 to 64	**	**

\*\*Insufficient sample size for calculation of population estimates.



## Insurance Type 2003-04

Davis	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>22,300</b>	<b>8.9%</b>
<b>Medicaid<sup>6</sup></b>	<b>18,600</b>	<b>7.4%</b>
<b>CHIP<sup>6</sup></b>	<b>***</b>	<b>***</b>
<b>Insured, Service not Covered<sup>7,****</sup></b>	<b>19,100</b>	<b>8.3%</b>

\*\*\*Insufficient sample size for calculation of population estimates.

\*\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>2</b>	<b>1,255</b>
<b>WIC Infants<sup>9</sup></b>	<b>2</b>	<b>1,324</b>
<b>WIC Children<sup>9</sup></b>	<b>2</b>	<b>2,683</b>
<b>Child Care<sup>10,+</sup></b>	<b>23</b>	<b>1,640</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>21</b>	<b>1,333</b>
<b>Schools<sup>13</sup></b>	<b>89</b>	<b>62,986</b>

\*Only facilities that reported.

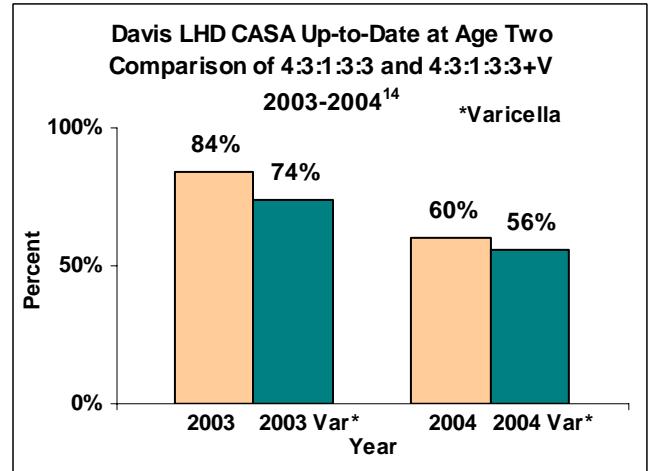
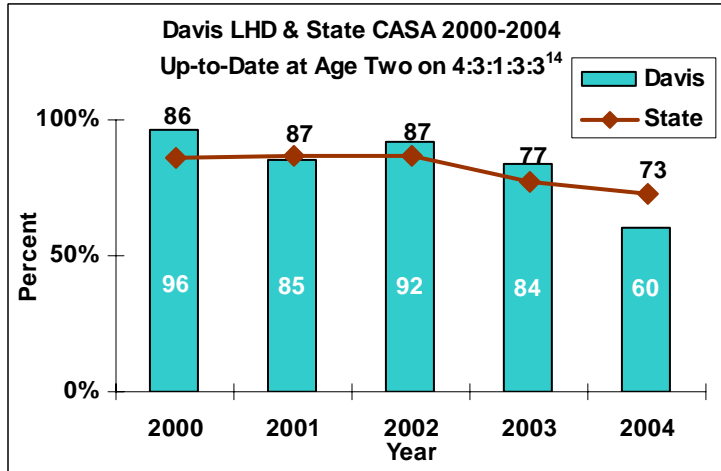
++Enrollment under Davis health district includes numbers for Morgan and Summit.

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>17</b>
<b>School Nurses<sup>14</sup></b>	<b>16</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>0</b>
<b>Hospitals<sup>15</sup></b>	<b>3</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>25</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>3</b>

County Served

Davis



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
<b>Davis</b>	<b>67%</b>	<b>79%</b>	<b>79%</b>	<b>81%</b>	<b>79%</b>	<b>73%</b>	<b>60%</b>	<b>56%</b>

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

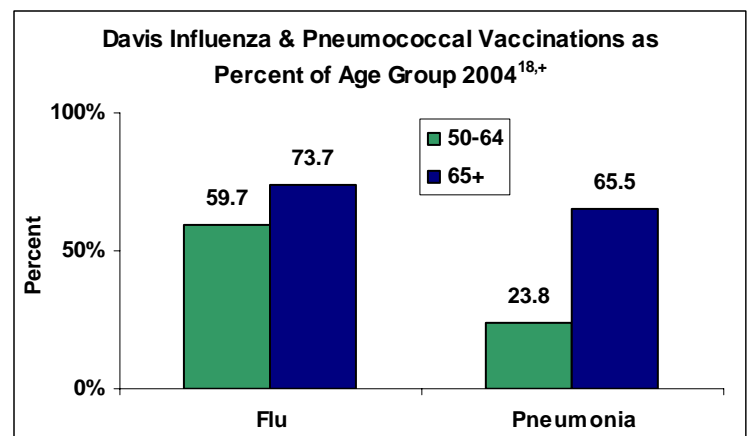
2000	70%
2001	67%
2002	73%
2003	77%
2004	60%

## Adequately Immunized by School District 2004

Davis <sup>14</sup>	Davis School District	
	Adequately Immunized	Total Exemptions
School Entry Kindergarten	85.5%	2.1%
Second-Dose Measles (K-12)	97.4%	1.6%

## Preschool Immunizations 2004

Davis <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	94.8%	0.7%
Head Start Centers	96.6%	0.5%



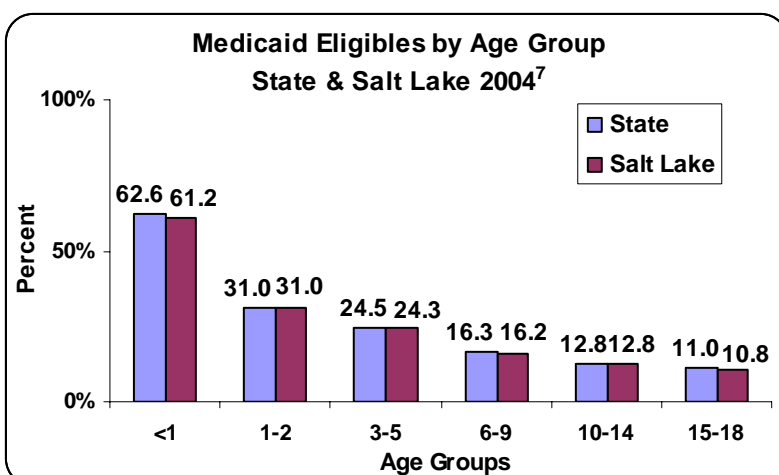
<sup>+</sup>Influenza=within past 12 months, pneumococcal=ever had

# Salt Lake Valley General Information

## Population & Poverty 2004

Salt Lake Valley	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>955,166</b>	
0-18	299,969	31.4%
19-64	577,797	60.5%
≥65	77,400	8.1%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>86,000</b>	<b>9.0%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>90,365</b>	<b>9.5%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>30,100</b>	<b>33.3%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Salt Lake Valley	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>860,500</b>	<b>90.8%</b>
<b>Uninsured<sup>5</sup></b>	<b>87,300</b>	<b>9.2%</b>
17 and Under	21,100	7.4%
18 to 34	40,800	15.1%
35 to 49	18,200	9.5%
50 to 64	6,700	5.3%

## Insurance Type 2003-04

Salt Lake Valley	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>76,800</b>	<b>8.9%</b>
<b>Medicaid<sup>6</sup></b>	<b>69,700</b>	<b>8.1%</b>
<b>CHIP<sup>6,**</sup></b>	<b>9,000</b>	<b>3.4%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>67,300</b>	<b>7.9%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>8</b>	<b>6,160</b>
<b>WIC Infants<sup>9</sup></b>	<b>8</b>	<b>6,523</b>
<b>WIC Children<sup>9</sup></b>	<b>8</b>	<b>11,729</b>
<b>Child Care<sup>10,+</sup></b>	<b>197</b>	<b>16,194</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>44</b>	<b>822</b>
<b>Schools<sup>13</sup></b>	<b>320</b>	<b>183,315</b>

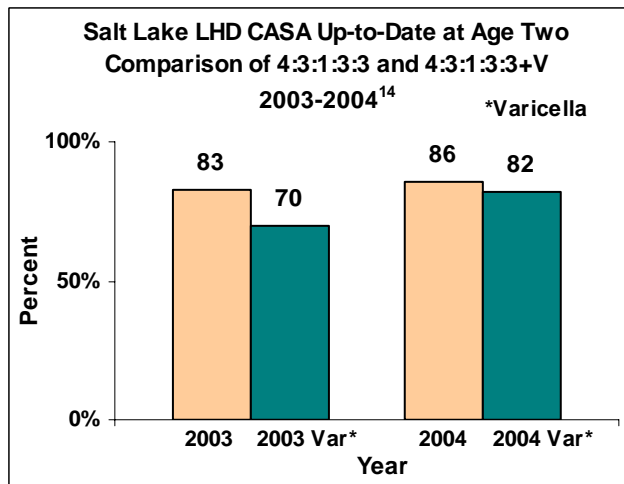
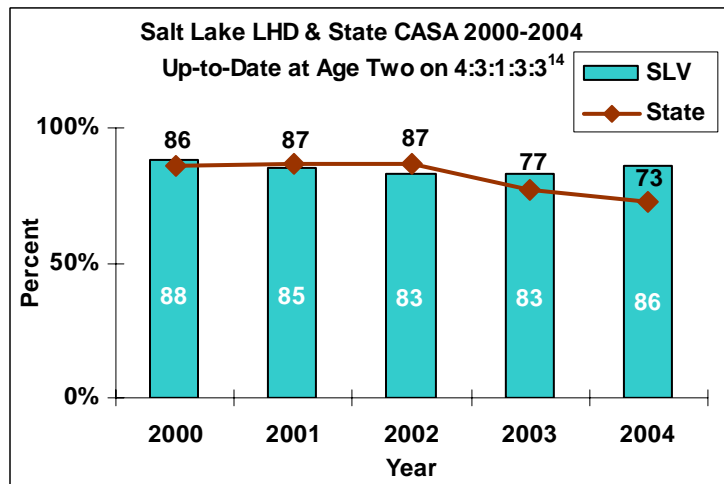
+Only facilities that reported.

++Three facilities did not report.

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>75</b>
<b>School Nurses<sup>14</sup></b>	<b>27</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>6</b>
<b>Hospitals<sup>15</sup></b>	<b>84</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>20</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>6</b>

Counties Served **Salt Lake**



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
<b>Salt Lake</b>	<b>88%</b>	<b>96%</b>	<b>96%</b>	<b>95%</b>	<b>97%</b>	<b>90%</b>	<b>86%</b>	<b>82%</b>

Private VFC Providers  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

<b>2000</b>	<b>77%</b>
<b>2001</b>	<b>62%</b>
<b>2002</b>	<b>70%</b>
<b>2003</b>	<b>65%</b>
<b>2004</b>	<b>62%</b>

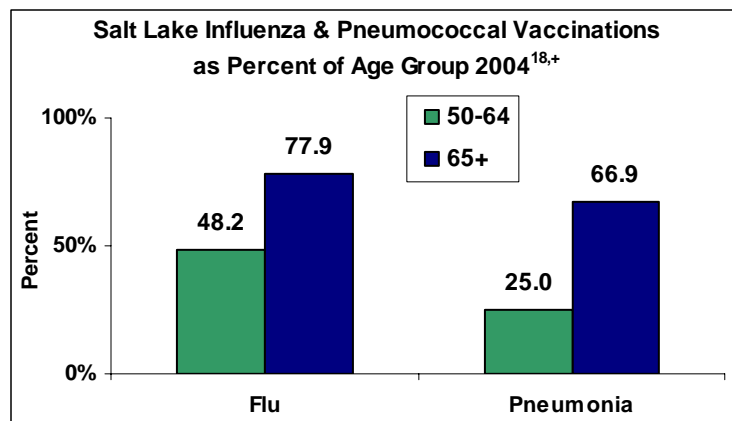
## Adequately Immunized by School District 2004

Salt Lake <sup>14</sup>	Granite		Jordan		Murray		Salt Lake	
	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt
School Entry Kindergarten	97.1%	2.1%	94.9%	2.3%	87.2%	0.9%	93.9%	2.0%
Second-Dose Measles (K-12)	98.5%	1.4%	98.2%	1.5%	98.2%	1.2%	98.1%	1.5%

## Preschool Immunizations 2004

Salt Lake <sup>14,*</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	89.9%	1.0%
Head Start Centers	98.3%	1.4%

\*Three facilities did not report.



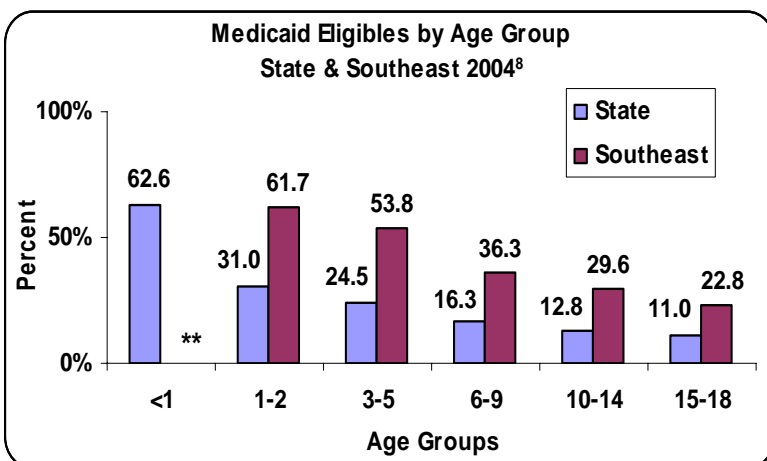
\*Influenza=within past 12 months, pneumococcal=ever had

# Southeastern General Information

## Population & Poverty 2004

Southeastern	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>52,842</b>	
0-18	16,600	31.4%
19-64	29,960	56.7%
≥65	6,282	11.9%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>8,700</b>	<b>16.5%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>3,936</b>	<b>7.4%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>2,400</b>	<b>61.6%</b>

\*Rounded to nearest 100.



\*\*Data for <1 age group in Southeast were not applicable.

## Uninsured by Age 2003-04

Southeastern	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>45,000</b>	<b>85.3%</b>
<b>Uninsured<sup>5</sup></b>	<b>7,800</b>	<b>14.7%</b>
17 and Under	2,000	12.6%
18 to 34	2,700	22.3%
35 to 49	1,700	17.3%
50 to 64	1,200	13.7%

## Insurance Type 2003-04

Southeastern	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>6,700</b>	<b>14.8%</b>
<b>Medicaid<sup>6</sup></b>	<b>6,500</b>	<b>14.4%</b>
<b>CHIP<sup>6,**</sup></b>	<b>1,500</b>	<b>11.1%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>5,500</b>	<b>11.2%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>7</b>	<b>399</b>
<b>WIC Infants<sup>9</sup></b>	<b>7</b>	<b>421</b>
<b>WIC Children<sup>9</sup></b>	<b>7</b>	<b>723</b>
<b>Child Care<sup>10,+</sup></b>	<b>37</b>	<b>726</b>
<b>Head Start<sup>11,12</sup></b>	<b>15</b>	<b>315</b>
<b>Schools<sup>13</sup></b>	<b>44</b>	<b>10,804</b>

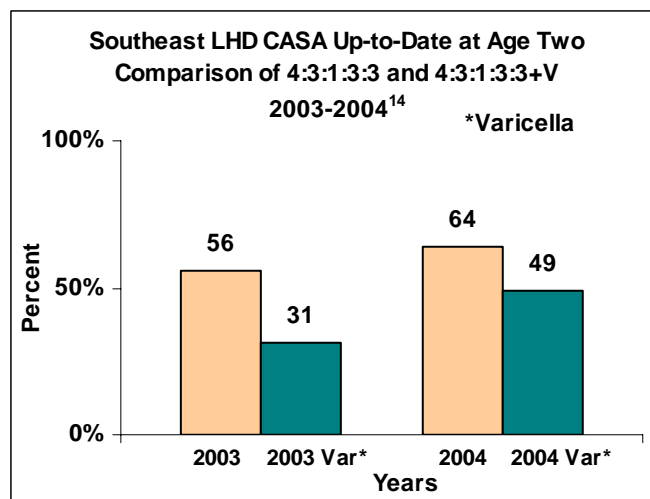
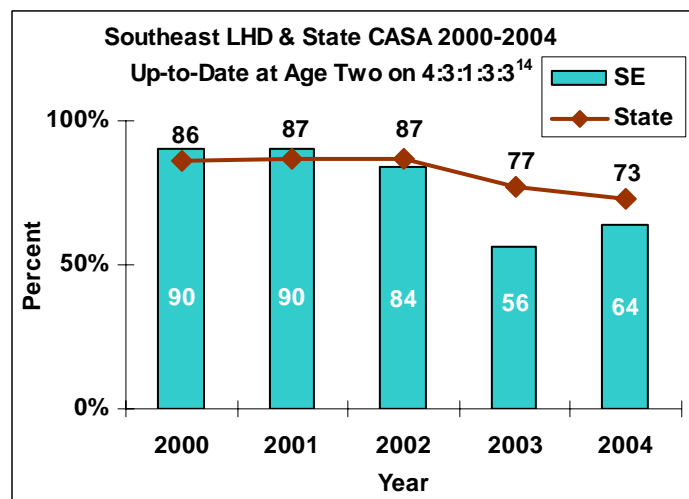
+Only facilities that reported.

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>3</b>
<b>School Nurses<sup>14</sup></b>	<b>6</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>7</b>
<b>Hospitals<sup>15</sup></b>	<b>4</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>6</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>5</b>

## Counties Served

Carbon, Emery, Grand, San Juan



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Carbon	67%	86%	88%	85%	79%	81%	63%	60%
Emery	79%	91%	82%	88%	88%	59%	68%	44%
Grand	67%	76%	68%	78%	71%	58%	58%	51%
San Juan	78%	96%	98%	96%	85%	50%	70%	33%
<b>SEUPHD</b>	<b>72%</b>	<b>86%</b>	<b>83%</b>	<b>86%</b>	<b>80%</b>	<b>64%</b>	<b>64%</b>	<b>49%</b>

<sup>9</sup> One of three Private Providers Assessed

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

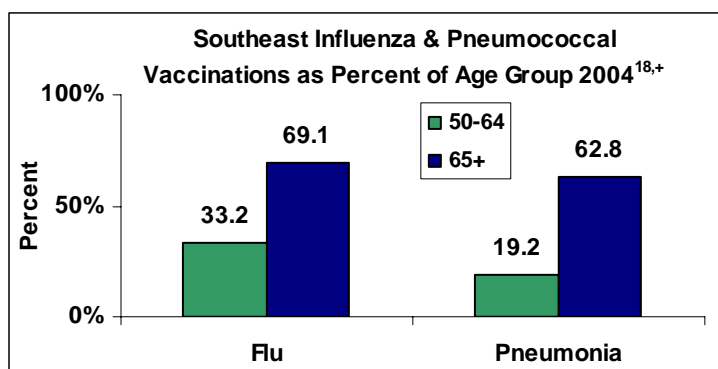
2000	N/A
2001	69%
2002	NA
2003	NA
2004 <sup>9</sup>	77%

## Adequately Immunized by School District 2004

Southeastern <sup>14</sup>	Carbon		Emery		Grand		San Juan	
	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt
School Entry Kindergarten	97.1%	2.3%	91.1%	5.4%	95.5%	4.5%	98.8%	1.2%
Second-Dose Measles (K-12)	98.7%	1.3%	98.3%	1.7%	97.8%	2.2%	98.4%	1.2%

## Preschool Immunizations 2004

Southeastern <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	90.8%	1.4%
Head Start Centers	95.6%	0.6%



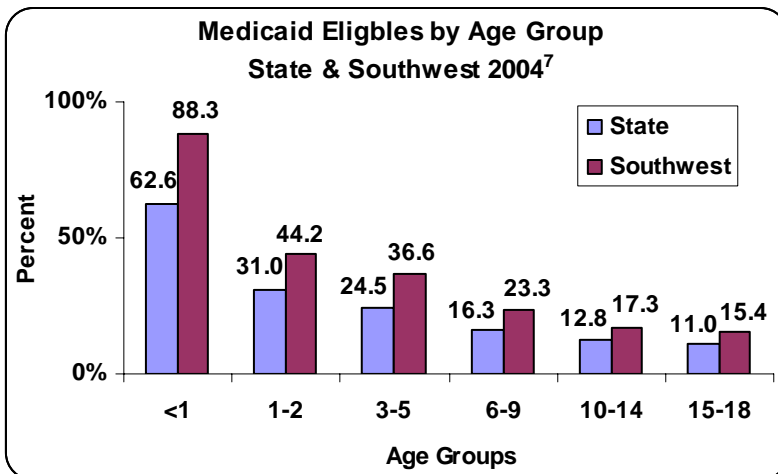
<sup>+</sup>Influenza=within past 12 months, pneumococcal=ever had

# Southwest General Information

## Population & Poverty 2004

Southwest	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>173,230</b>	
0-18	52,561	30.3%
19-64	95,266	55.0%
≥65	25,403	14.7%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>20,600</b>	<b>11.9%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>15,435</b>	<b>8.9%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>7,000</b>	<b>45.0%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Southwest	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>142,900</b>	<b>84.7%</b>
<b>Uninsured<sup>5</sup></b>	<b>25,800</b>	<b>15.3%</b>
17 and Under	5,200	10.7%
18 to 34	13,300	29.4%
35 to 49	4,300	15.7%
50 to 64	3,100	14.1%

## Insurance Type 2003-04

Southwest	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>27,100</b>	<b>19.0%</b>
<b>Medicaid<sup>6</sup></b>	<b>15,100</b>	<b>10.5%</b>
<b>CHIP<sup>6,**</sup></b>	<b>2,900</b>	<b>6.7%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>15,500</b>	<b>11.1%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>7</b>	<b>1,396</b>
<b>WIC Infants<sup>9</sup></b>	<b>7</b>	<b>1,431</b>
<b>WIC Children<sup>9</sup></b>	<b>7</b>	<b>2,274</b>
<b>Child Care<sup>10,+</sup></b>	<b>13</b>	<b>1,249</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>16</b>	<b>437</b>
<b>Schools<sup>13</sup></b>	<b>75</b>	<b>33,463</b>

+Only facilities that reported.

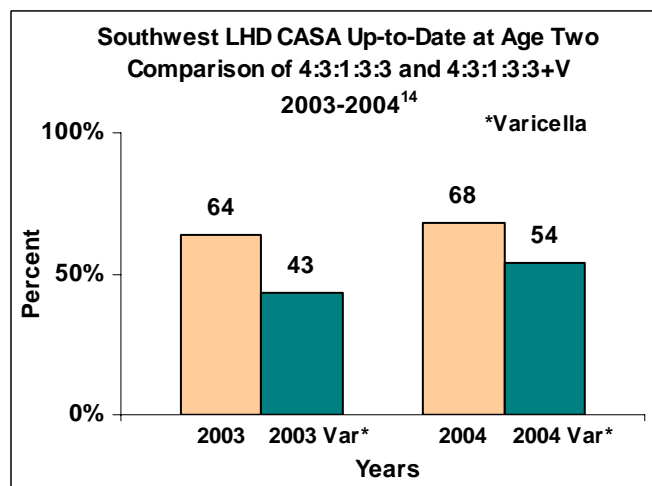
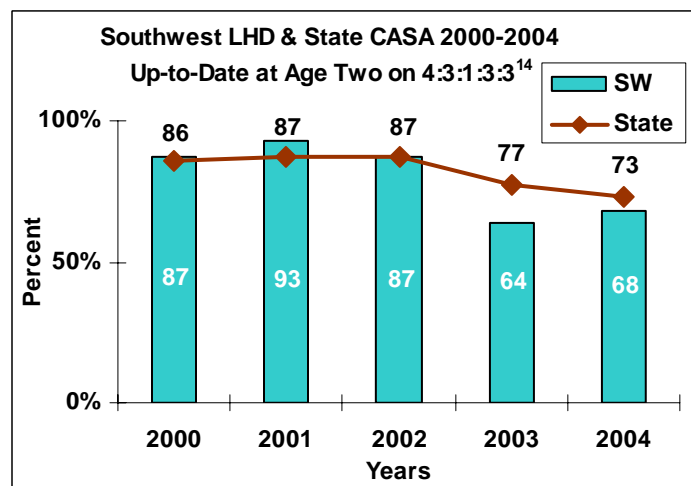
## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>21</b>
<b>School Nurses<sup>14</sup></b>	<b>10</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>8</b>
<b>Hospitals<sup>15</sup></b>	<b>6</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>20</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>6</b>

## Counties Served

Beaver, Garfield, Iron, Kane, Washington

# Southwest Immunization Information

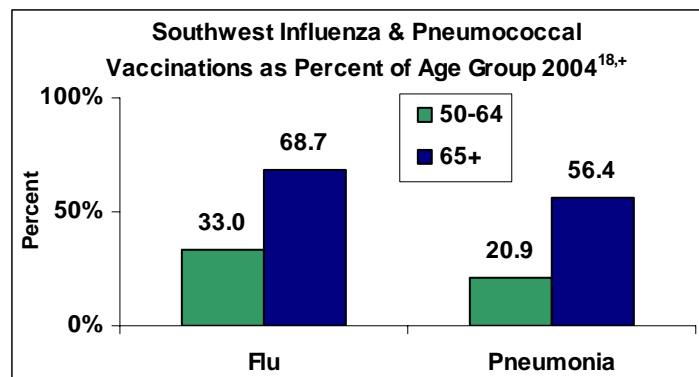


Up-to-Date at Age Two by Antigen 2004								
County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Beaver	63%	88%	63%	100%	100%	25%	50%	25%
Garfield	85%	90%	95%	95%	100%	40%	85%	40%
Iron	87%	93%	96%	91%	93%	76%	85%	70%
Kane	94%	100%	100%	100%	100%	78%	94%	72%
Washington	67%	83%	85%	79%	88%	72%	61%	54%
<b>SWUPHD</b>	<b>71%</b>	<b>85%</b>	<b>85%</b>	<b>84%</b>	<b>91%</b>	<b>66%</b>	<b>68%</b>	<b>54%</b>

Private VFC Providers: Up-to-Date at Age Two (4:3:1:3:3) <sup>14</sup>	
2000	52%
2001	33%
2002	20%
2003	61%
2004	31%

Adequately Immunized by School District 2004										
Southwest <sup>14</sup>	Beaver		Garfield		Iron		Kane		Washington	
	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt	Adequate Immune	Total Exempt
School Entry Kindergarten	99.2%	0.0%	93.4%	2.6%	96.6%	3.5%	87.0%	11.0%	93.6%	4.4%
Second-Dose Measles (K-12)	99.3%	0.5%	97.6%	2.4%	96.9%	3.1%	93.6%	6.4%	97.0%	2.9%

Preschool Immunizations 2004		
Southwest <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	85.0%	3.1%
Head Start Centers	79.9%	3.0%



<sup>+</sup>Influenza=within past 12 months, pneumococcal=ever had

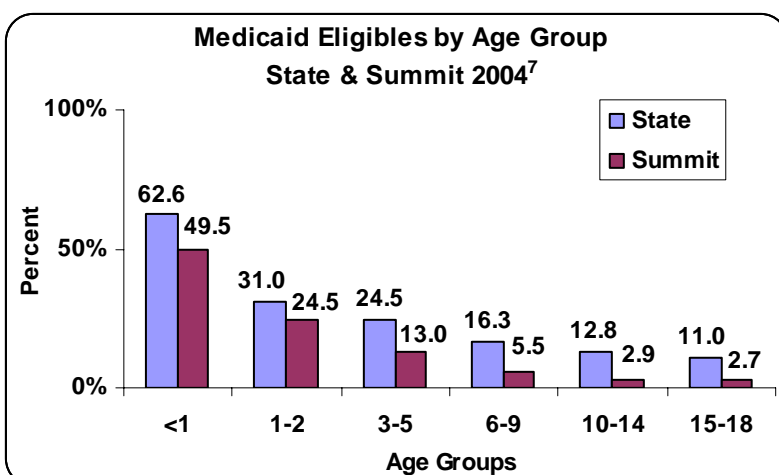
# Summit County General Information

**SCHD**  
2005

## Population & Poverty 2004

Summit	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>35,090</b>	
0-18	10,238	29.2%
19-64	22,870	65.2%
≥65	1,982	5.6%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>2,100</b>	<b>5.9%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>2,684</b>	<b>7.6%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>1,100</b>	<b>41.1%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Summit	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>31,600</b>	<b>91.4%</b>
<b>Uninsured<sup>5</sup></b>	<b>3,000</b>	<b>8.6%</b>
17 and Under	700	7.2%
18 to 34	1,400	16.5%
35 to 49	500	6.2%
50 to 64	300	5.8%

## Insurance Type 2003-04

Summit	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>2,100</b>	<b>6.7%</b>
<b>Medicaid<sup>6</sup></b>	<b>1,300</b>	<b>4.1%</b>
<b>CHIP<sup>6</sup></b>	<b>**</b>	<b>**</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>1,700</b>	<b>5.7%</b>

\*\*Insufficient sample size for calculation of population estimates.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>2</b>	<b>161</b>
<b>WIC Infants<sup>9</sup></b>	<b>2</b>	<b>160</b>
<b>WIC Children<sup>9</sup></b>	<b>2</b>	<b>311</b>
<b>Child Care<sup>10,+</sup></b>	<b>8</b>	<b>375</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>5</b>	<b>**</b>
<b>Schools<sup>13</sup></b>	<b>19</b>	<b>6,877</b>

+Only facilities that reported.

++Data for Summit County Head Start is included in Davis.

## Health Care 2004

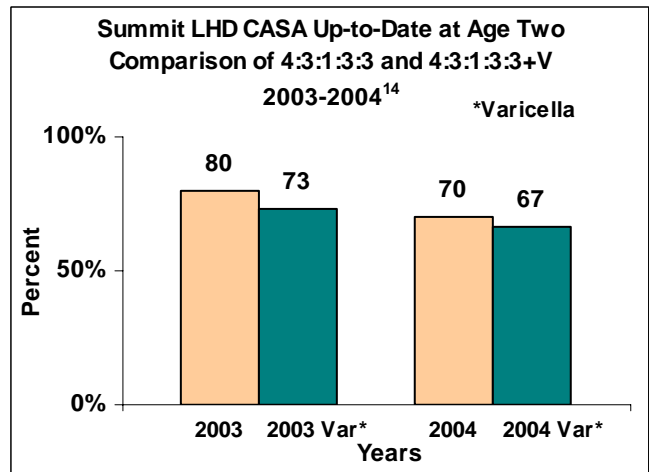
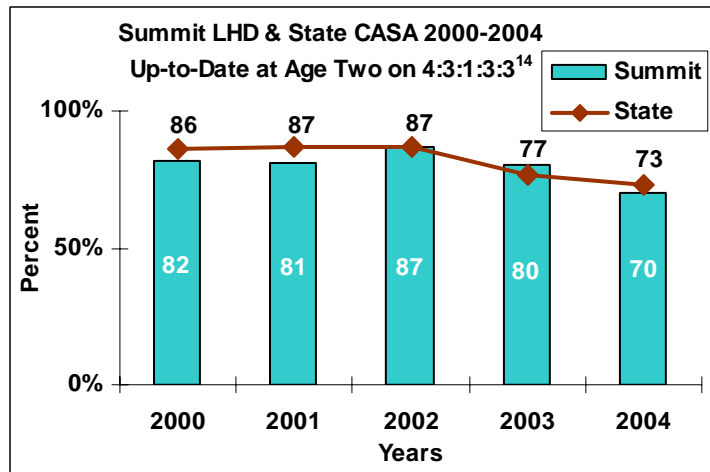
Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>4</b>
<b>School Nurses<sup>14</sup></b>	<b>4</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>2</b>
<b>Hospitals<sup>15</sup></b>	<b>0</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>2</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>3</b>

County Served

Summit

# Summit County Immunization Information

**SCHD**  
2005



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Summit	77%	83%	87%	82%	83%	80%	70%	67%

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

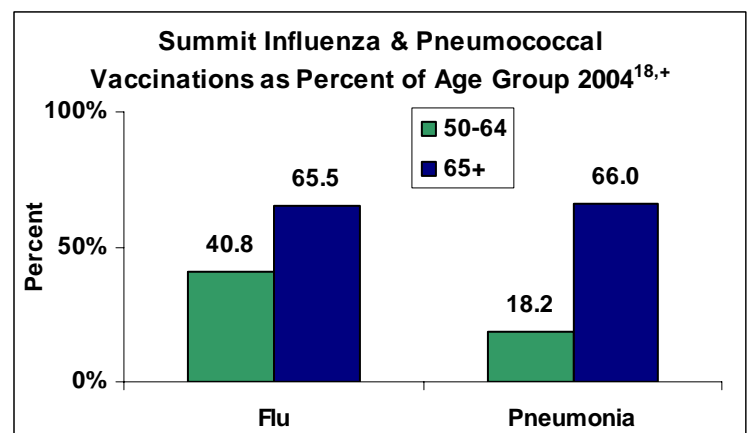
2000	N/A
2001	NA
2002	82%
2003	NA
2004	43%

## Adequately Immunized by School District 2004

Summit <sup>14</sup>	North Summit		Park City		South Summit	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
School Entry Kindergarten	100%	0.0%	87.2%	8.5%	90.8%	6.4%
Second-Dose Measles (K-12)	99.1%	0.9%	95.8%	4.0%	98.4%	1.6%

## Preschool Immunizations 2004

Summit <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	98.5%	2.4%
Head Start Centers	Reported in Davis HS	Reported in Davis HS

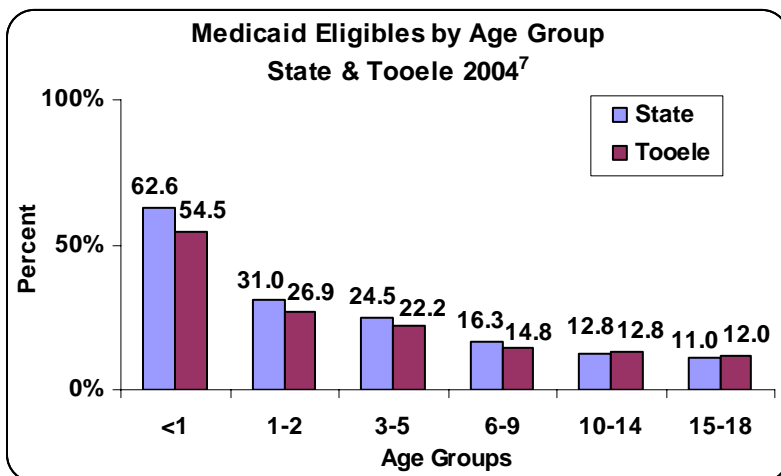


\*Influenza=within past 12 months, pneumococcal=ever had

## Population & Poverty 2004

Tooele	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>50,075</b>	
0-18	17,637	35.2%
19-64	28,981	57.9%
≥65	3,457	6.9%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>4,000</b>	<b>8.0%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>5,301</b>	<b>10.6%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>1,900</b>	<b>34.8%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Tooele	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>46,600</b>	<b>94.2%</b>
<b>Uninsured<sup>5</sup></b>	<b>2,900</b>	<b>5.8%</b>
17 and Under	700	4.3%
18 to 34	1,300	9.4%
35 to 49	700	7.0%
50 to 64	200	3.1%

## Insurance Type 2003-04

Tooele	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>4,400</b>	<b>8.8%</b>
<b>Medicaid<sup>6</sup></b>	<b>3,300</b>	<b>6.7%</b>
<b>CHIP<sup>6,**</sup></b>	<b>100</b>	<b>0.8%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>3,100</b>	<b>7.2%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>2</b>	<b>412</b>
<b>WIC Infants<sup>9</sup></b>	<b>2</b>	<b>474</b>
<b>WIC Children<sup>9</sup></b>	<b>2</b>	<b>814</b>
<b>Child Care<sup>10,+</sup></b>	<b>3</b>	<b>146</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>4</b>	<b>224</b>
<b>Schools<sup>13</sup></b>	<b>22</b>	<b>10,951</b>

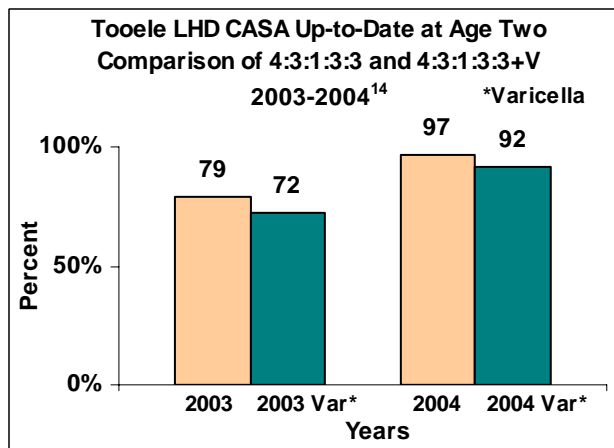
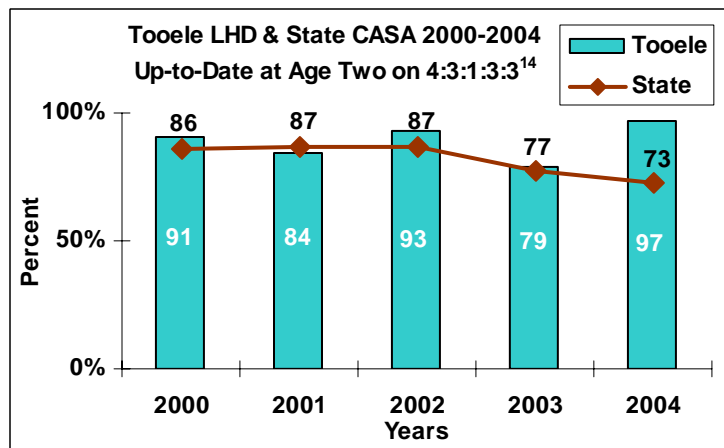
+Only facilities that reported.

**Counties Served**

**Tooele**

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>7</b>
<b>School Nurses<sup>14</sup></b>	<b>6</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>1</b>
<b>Hospitals<sup>15</sup></b>	<b>1</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>4</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>1</b>



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
<b>Tooele</b>	<b>97%</b>	<b>98%</b>	<b>98%</b>	<b>98%</b>	<b>100%</b>	<b>93%</b>	<b>97%</b>	<b>92%</b>

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

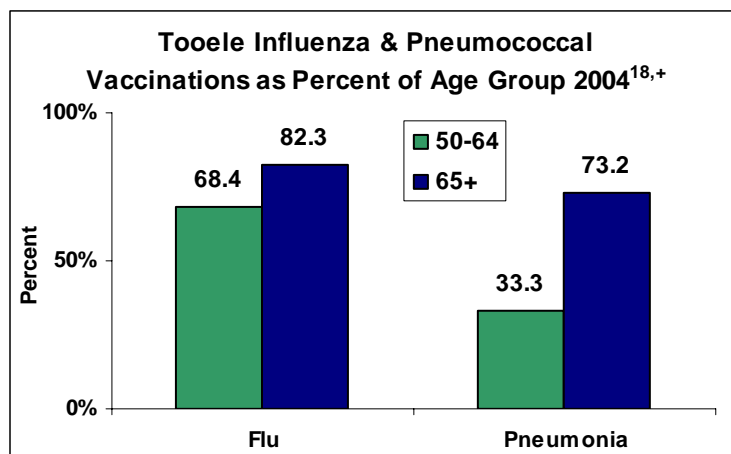
<b>2000</b>	<b>N/A</b>
<b>2001</b>	<b>31%</b>
<b>2002</b>	<b>NA</b>
<b>2003</b>	<b>42%</b>
<b>2004</b>	<b>26%</b>

## Adequately Immunized by School District 2004

Tooele <sup>14</sup>	Tooele	
	Adequately Immunized	Total Exemptions
School Entry Kindergarten	<b>97.5%</b>	<b>2.0%</b>
Second-Dose Measles (K-12)	<b>98.7%</b>	<b>1.2%</b>

## Preschool Immunizations 2004

Tooele <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	<b>80.1%</b>	<b>4.1%</b>
Head Start Centers	<b>98.7%</b>	<b>0.5%</b>

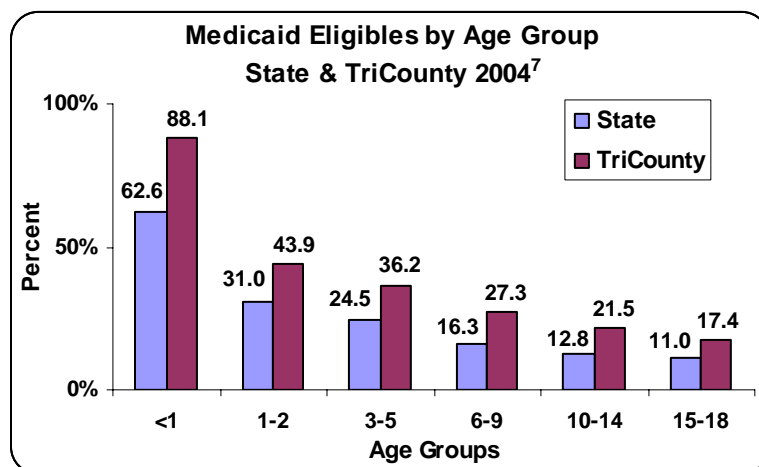


<sup>+</sup>Influenza=within past 12 months, pneumococcal=ever had

## Population & Poverty 2004

TriCounty	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>42,111</b>	
0-18	14,359	34.1%
19-64	23,366	55.5%
≥65	4,386	10.4%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>3,800</b>	<b>9.1%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>3,850</b>	<b>9.1%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>2,300</b>	<b>59.3%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

TriCounty	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>36,800</b>	<b>87.9%</b>
<b>Uninsured<sup>5</sup></b>	<b>5,100</b>	<b>12.1%</b>
17 and Under	1,200	9.0%
18 to 34	2,400	23.8%
35 to 49	1,100	13.8%
50 to 64	400	6.7%

## Insurance Type 2003-04

TriCounty	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>4,700</b>	<b>12.7%</b>
<b>Medicaid<sup>6</sup></b>	<b>5,100</b>	<b>13.8%</b>
<b>CHIP<sup>6,**</sup></b>	<b>500</b>	<b>3.9%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>2,900</b>	<b>7.7%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>3</b>	<b>252</b>
<b>WIC Infants<sup>9</sup></b>	<b>3</b>	<b>270</b>
<b>WIC Children<sup>9</sup></b>	<b>3</b>	<b>449</b>
<b>Child Care<sup>10,+</sup></b>	<b>8</b>	<b>492</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>10</b>	<b>224</b>
<b>Schools<sup>13</sup></b>	<b>30</b>	<b>9,698</b>

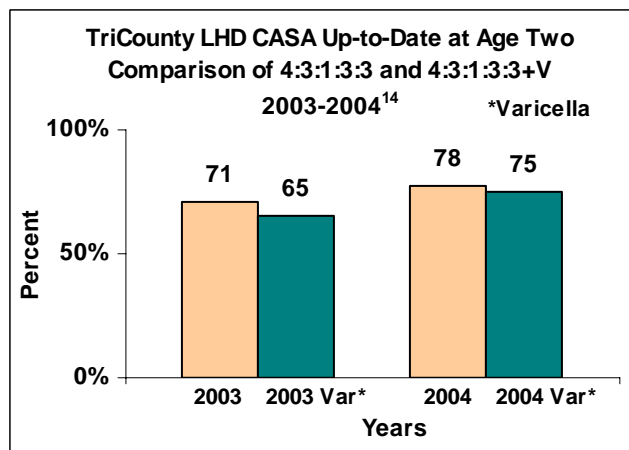
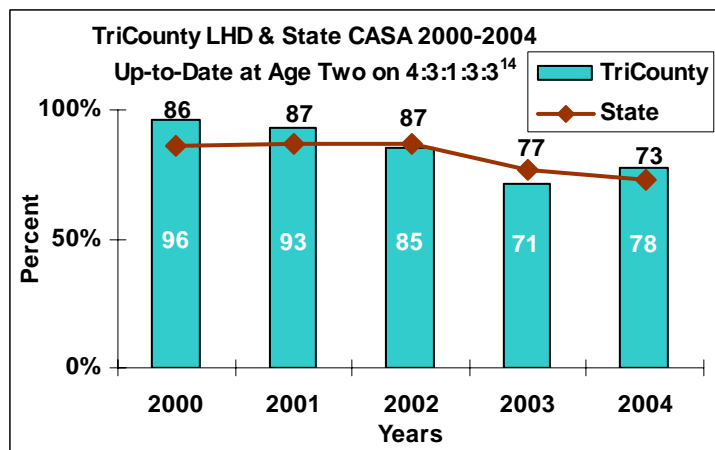
+Only facilities that reported.

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>6</b>
<b>School Nurses<sup>14</sup></b>	<b>3</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>1</b>
<b>Hospitals<sup>15</sup></b>	<b>2</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>6</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>4</b>

## Counties Served

Daggett, Duchesne, Uintah



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
TriCHD	82%	93%	91%	92%	94%	89%	78%	75%

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

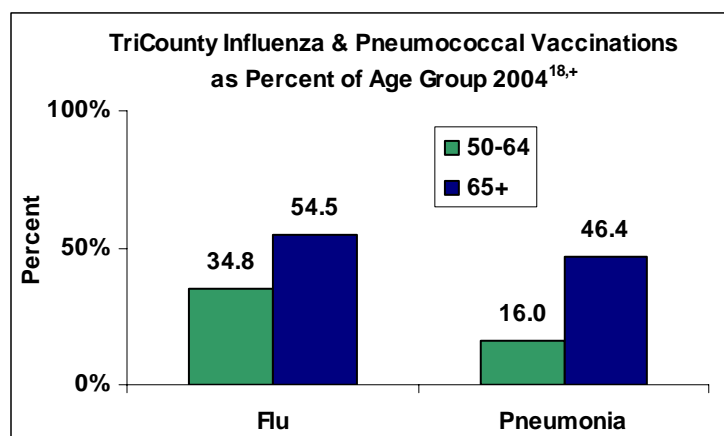
2000	N/A
2001	NA
2002	40%
2003	33%
2004	31%

## Adequately Immunized by School District 2004

TriCounty <sup>14</sup>	Daggett		Duchesne		Uintah	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
School Entry Kindergarten	100%	0.0%	90.7%	8.1%	97.6%	2.4%
Second-Dose Measles (K-12)	99.4%	0.6%	97.3%	2.6%	99.0%	1.0%

## Preschool Immunizations 2004

TriCounty <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	94.3%	1.8%
Head Start Centers	74.6%	0.9%



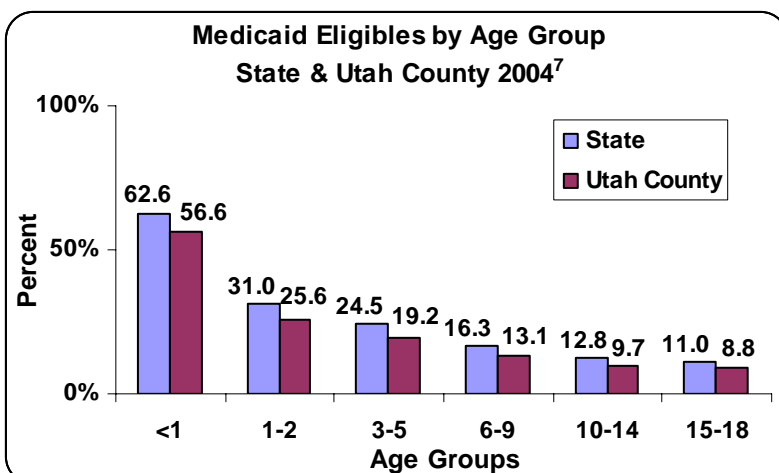
\*Influenza=within past 12 months, pneumococcal=ever had

# Utah County General Information

## Population & Poverty 2004

Utah County	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>437,627</b>	
0-18	156,627	35.8%
19-64	255,107	58.3%
≥65	25,893	5.9%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>52,500</b>	<b>12.0%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>53,053</b>	<b>12.1%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>20,000</b>	<b>37.7%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Utah County	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>382,600</b>	<b>88.9%</b>
<b>Uninsured<sup>5</sup></b>	<b>47,900</b>	<b>11.1%</b>
17 and Under	14,300	9.7%
18 to 34	20,500	13.3%
35 to 49	10,400	16.0%
50 to 64	2,800	7.2%

## Insurance Type 2003-04

Utah County	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>25,500</b>	<b>6.7%</b>
<b>Medicaid<sup>6</sup></b>	<b>30,600</b>	<b>8.0%</b>
<b>CHIP<sup>6,**</sup></b>	<b>4,400</b>	<b>3.3%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>39,100</b>	<b>10.7%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>4</b>	<b>3,702</b>
<b>WIC Infants<sup>9</sup></b>	<b>4</b>	<b>3,671</b>
<b>WIC Children<sup>9</sup></b>	<b>4</b>	<b>6,061</b>
<b>Child Care<sup>10,+</sup></b>	<b>55</b>	<b>2,938</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>37</b>	<b>997</b>
<b>Schools<sup>13</sup></b>	<b>134</b>	<b>93,165</b>

+Only facilities that reported.

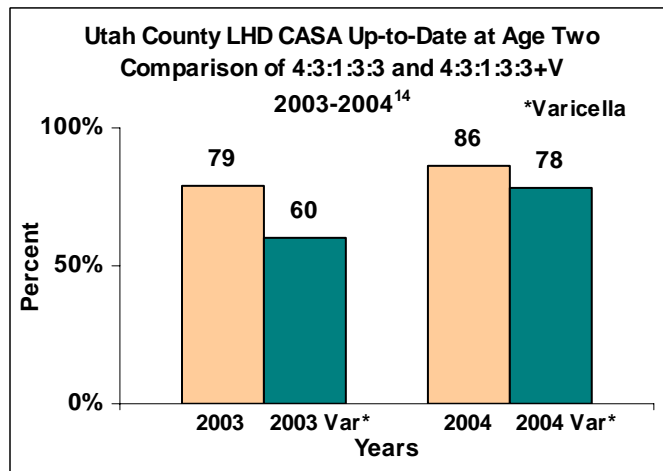
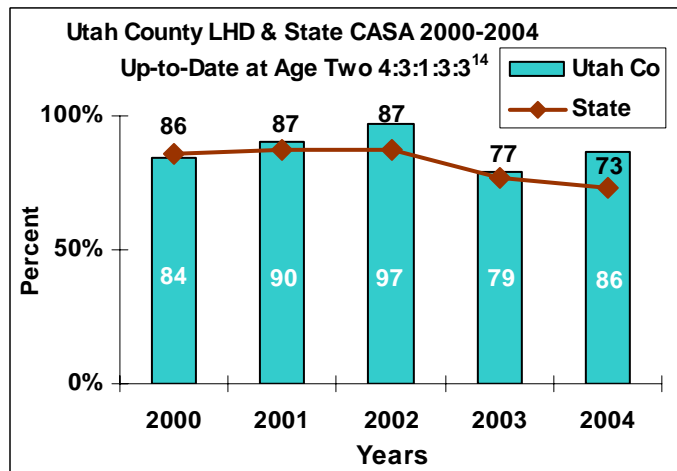
## Counties Served

Utah

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>40</b>
<b>School Nurses<sup>14</sup></b>	<b>27</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>1</b>
<b>Hospitals<sup>15</sup></b>	<b>6</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>59</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>4</b>

# Utah County Immunization Information



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Utah Co	89%	97%	95%	99%	99%	86%	86%	78%

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

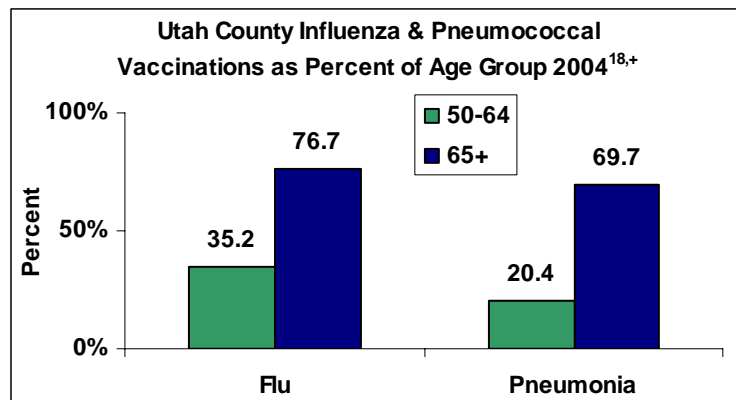
2000	50%
2001	59%
2002	65%
2003	70%
2004	66%

## Adequately Immunized by School District 2004

Utah County <sup>14</sup>	Alpine		Nebo		Provo	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
School Entry Kindergarten	94.4%	3.8%	94.8%	4.7%	91.1%	3.5%
Second-Dose Measles (K-12)	96.8%	3.0%	96.3%	3.7%	96.0%	3.1%

## Preschool Immunizations 2004

Utah County <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	88.9%	2.6%
Head Start Centers	93.8%	2.5%



\*Influenza=within past 12 months, pneumococcal=ever had

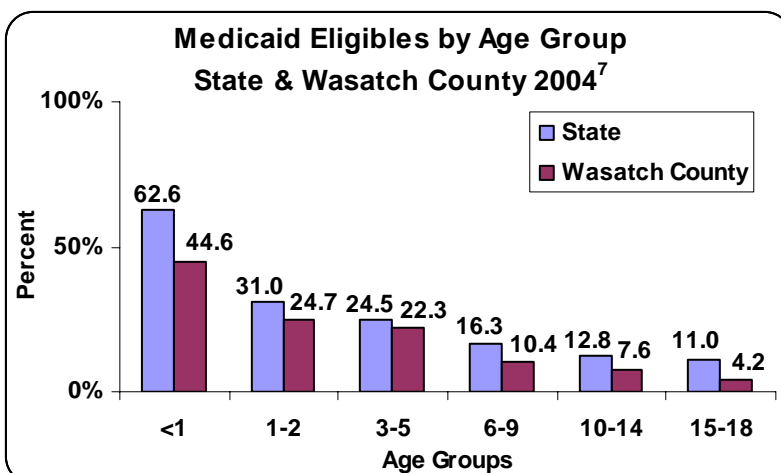
# Wasatch County General Information

**WCHD**  
2005

## Population & Poverty 2004

Wasatch	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>19,177</b>	
0-18	6,496	33.9%
19-64	11,215	58.5%
≥65	1,466	7.6%
<b>≤100% Poverty<sup>2,*</sup></b>	<b>1,100</b>	<b>5.9%</b>
<b>Population Age &lt;5<sup>1</sup></b>	<b>1,879</b>	<b>9.8%</b>
<b>&lt;5, ≤185% Poverty<sup>3,*</sup></b>	<b>600</b>	<b>33.5%</b>

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Wasatch	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>16,300</b>	<b>86.8%</b>
<b>Uninsured<sup>5</sup></b>	<b>2,500</b>	<b>13.2%</b>
17 and Under	800	13.4%
18 to 34	900	18.7%
35 to 49	600	14.9%
50 to 64	200	7.1%

## Insurance Type 2003-04

Wasatch	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>1,900</b>	<b>11.5%</b>
<b>Medicaid<sup>6</sup></b>	<b>1,200</b>	<b>7.2%</b>
<b>CHIP<sup>6,**</sup></b>	<b>300</b>	<b>6.1%</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>1,700</b>	<b>10.7%</b>

\*\*Only children aged 17 and under.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>1</b>	<b>113</b>
<b>WIC Infants<sup>9</sup></b>	<b>1</b>	<b>125</b>
<b>WIC Children<sup>9</sup></b>	<b>1</b>	<b>230</b>
<b>Child Care<sup>10,+</sup></b>	<b>2</b>	<b>47</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>1</b>	<b>*</b>
<b>Schools<sup>13</sup></b>	<b>8</b>	<b>4,244</b>

\*Only facilities that reported.

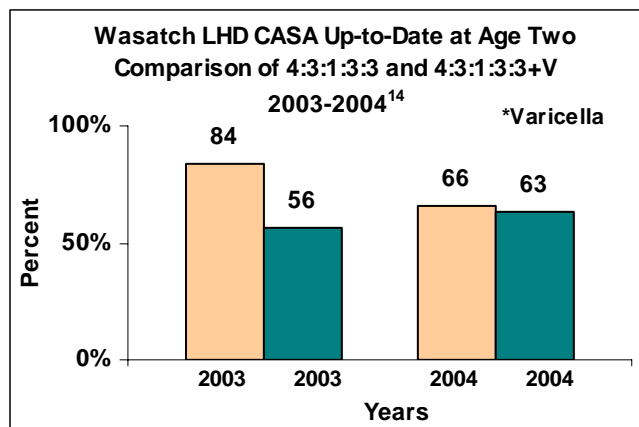
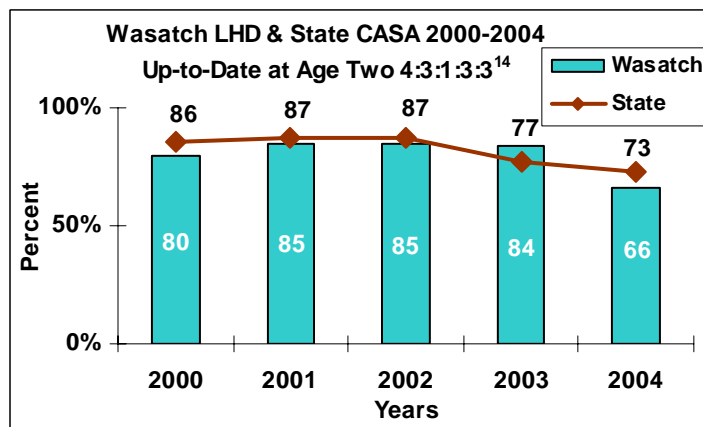
++Data for Wasatch Head Start reported with Utah County.

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>2</b>
<b>School Nurses<sup>14</sup></b>	<b>1</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>0</b>
<b>Hospitals<sup>15</sup></b>	<b>1</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>3</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>1</b>

## Counties Served

**Wasatch**



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Wasatch	73%	95%	86%	82%	91%	82%	66%	63%

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

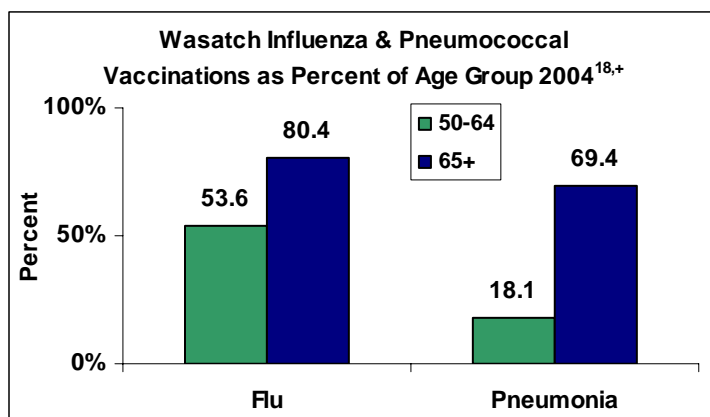
2000	N/A
2001	NA
2002	30%
2003	NA
2004	64%

## Adequately Immunized by School District 2004

Wasatch <sup>14</sup>	Wasatch	
	Adequately Immunized	Total Exemptions
School Entry Kindergarten	96.5%	3.5%
Second-Dose Measles (K-12)	97.8%	2.1%

## Preschool Immunizations 2004

Wasatch <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	95.8%	2.1%
Head Start Centers	Reported in Utah Co HS	Reported in Utah Co HS



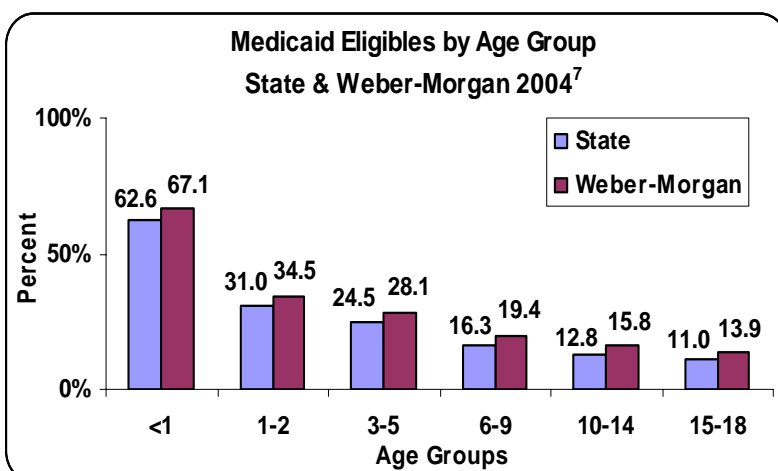
\*Influenza=within past 12 months, pneumococcal=ever had

# Weber-Morgan General Information

## Population & Poverty 2004

Weber-Morgan	Number	% of Total
<b>Total Population<sup>1</sup></b>	<b>217,796</b>	
0-18	69,494	31.9%
19-64	126,625	58.1%
≥65	21,677	10.0%
≤100% Poverty <sup>2,*</sup>	13,300	6.1%
Population Age <5 <sup>1</sup>	20,290	9.3%
<5, ≤185% Poverty <sup>3,*</sup>	9,300	45.8%

\*Rounded to nearest 100.



## Uninsured by Age 2003-04

Weber-Morgan	Number	% of Total
<b>Insured<sup>4</sup></b>	<b>199,500</b>	<b>92.4%</b>
<b>Uninsured<sup>5</sup></b>	<b>16,300</b>	<b>7.6%</b>
17 and Under	4,200	6.5%
18 to 34	7,400	12.7%
35 to 49	3,500	8.4%
50 to 64	1,200	4.0%

## Insurance Type 2003-04

Weber-Morgan	Number	% of Total
<b>Medicare<sup>6</sup></b>	<b>21,800</b>	<b>10.9%</b>
<b>Medicaid<sup>6</sup></b>	<b>13,200</b>	<b>6.6%</b>
<b>CHIP<sup>6</sup></b>	<b>**</b>	<b>**</b>
<b>Insured, Service not Covered<sup>7,***</sup></b>	<b>19,000</b>	<b>10.0%</b>

\*\*Insufficient sample size for calculation of population estimates.

\*\*\*2003 data only.

## Child & School Health 2004

Group	Clinics/ Facilities	Enrollment
<b>WIC Women<sup>9</sup></b>	<b>2</b>	<b>1,594</b>
<b>WIC Infants<sup>9</sup></b>	<b>2</b>	<b>1,701</b>
<b>WIC Children<sup>9</sup></b>	<b>2</b>	<b>3,071</b>
<b>Child Care<sup>10,+</sup></b>	<b>43</b>	<b>3,051</b>
<b>Head Start<sup>11,12,++</sup></b>	<b>21</b>	<b>551</b>
<b>Schools<sup>13</sup></b>	<b>89</b>	<b>44,614</b>

+Only facilities that reported.

++Head Start data for Weber-Morgan health district only includes data for Weber county. Morgan is included in Davis information.

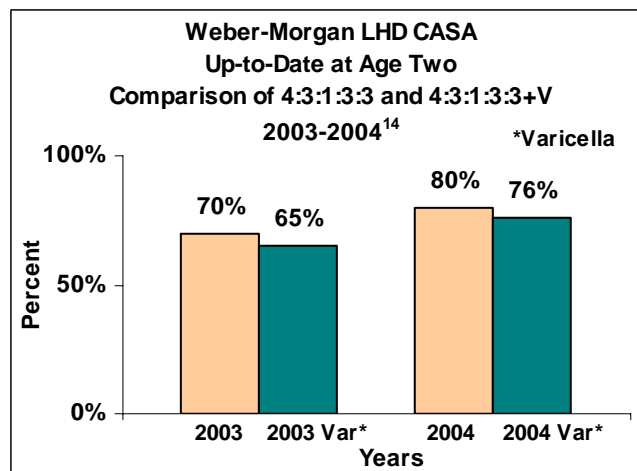
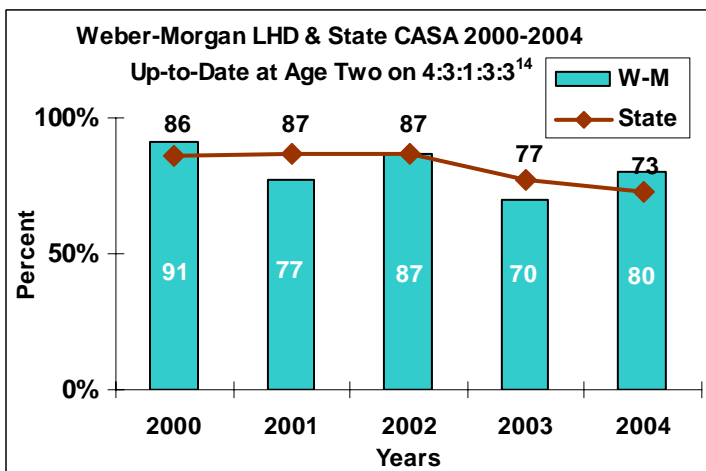
## Counties Served

Morgan, Weber

## Health Care 2004

Providers/Facilities	Number
<b>Private VFC Providers<sup>14</sup></b>	<b>15</b>
<b>School Nurses<sup>14</sup></b>	<b>13</b>
<b>CHCs and RHCs<sup>14</sup></b>	<b>1</b>
<b>Hospitals<sup>15</sup></b>	<b>2</b>
<b>Long Term Care and Assisted Living Centers<sup>14</sup></b>	<b>23</b>
<b>Local Health District Offices<sup>14</sup></b>	<b>2</b>

# Weber-Morgan Immunization Information



## Up-to-Date at Age Two by Antigen 2004

County <sup>14</sup>	4 DTaP	3 Polio	1 MMR	3 Hib	3 Hep B	Varicella	4:3:1:3:3	4:3:1:3:3+V
Morgan	NA	NA	NA	NA	NA	NA	NA	NA
Weber	85%	91%	95%	94%	89%	89%	80%	76%
WMHD	85%	91%	95%	94%	89%	89%	80%	76%

Private VFC Providers:  
Up-to-Date at Age Two  
(4:3:1:3:3)<sup>14</sup>

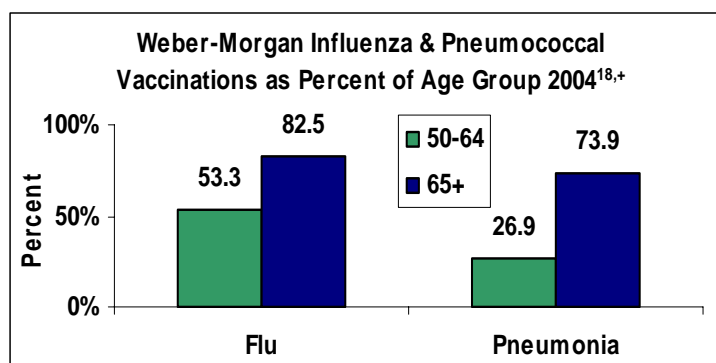
2000	84%
2001	84%
2002	78%
2003	77%
2004	61%

## Adequately Immunized by School District 2004

Weber-Morgan <sup>14</sup>	Morgan		Ogden		Weber	
	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions	Adequately Immunized	Total Exemptions
School Entry Kindergarten	93.2%	1.5%	98.0%	1.4%	94.4%	1.6%
Second-Dose Measles (K-12)	98.5%	1.3%	98.8%	1.1%	98.8%	1.0%

## Preschool Immunizations 2004

Weber-Morgan <sup>14</sup>	Adequately Immunized	Total Exemptions
Child Care Facilities and Preschools	92.8%	1.1%
Head Start Centers	98.2%	0.7%



\*Influenza=within past 12 months, pneumococcal=ever had

This report highlights the immunization coverage status for Utah children and adults. Information has been compiled from various sources to make it available as one single source. This will enable easy access to the most current immunization data. The intent of this report is to assist local immunization programs in evaluating coverage areas and identifying gaps in services.

Suggestions were received following the publication of last year's report. While it was possible to incorporate some of these ideas, others could not be added. Data sources for additional information continue to be invited.

Review of what has been gathered prompts questions regarding inadequate information about:

- adolescent rates
- ethnicity of the populations reported in existing sources of immunization data
- general adult population immunization information
- sub-populations and pockets of need
- Health care workers Hepatitis B rates
- Perinatal Hepatitis B information

We value your opinion. Please provide us your feedback about this report.

Contact Information:

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1. *Governor's Office of Planning and Budget*. Retrieved on April 19, 2005 from Utah Department of Health, Center for Health Data, Indicator-Based Information System for Public Health website: <http://ibis.health.utah.gov/>
2. *2004 Utah Health Status Survey*. Retrieved on June 22, 2005 from Utah Department of Health, Center for Health Data, Indicator-Based Information System for Public Health, special run by Mike Sanderson website: <http://ibis.health.utah.gov/>
3. Office of Public Health Assessment. (n.d.). *2003 Utah Health Status Survey* [Data file]. Salt Lake City, UT: Utah Department of Health. **Note: numbers presented were calculated by applying the 2003 proportion to the 2004 population estimate of children aged 0-4.**
4. Office of Public Health Assessment. (n.d.). *2003-2004 Utah Health Status Survey* [Data file]. Salt Lake City, UT: Utah Department of Health. **Note: numbers rounded to the nearest 100 persons.**
5. IBID
6. IBID
7. Office of Public Health Assessment (2004, December). *Health Insurance Coverage* (2003 Utah Health Status Survey Report) (p. 74). Salt Lake City, UT: Utah Department of Health.
8. CHEC Medicaid program (2004). *Form CMS-416: Annual EPSDT Participation Report FFY2004*. Salt Lake City, UT: Utah Department of Health.
9. Utah Women, Infants, and Children (WIC) Program. (n.d.). *Monthly Participation Reports 2004*. Salt Lake City, UT: Utah Department of Health. **Note: numbers reported are the average of the 12 months in calendar year 2004.**
10. Utah Immunization Program (November 2004). *Licensed and Reporting Unlicensed Child Care Centers and Preschools: Child Care Annual Summary Report*. Salt Lake City, UT: Utah Department of Health.
11. Utah Head Start State Collaboration Office. (n.d.). Program data for facilities, CY2004 [Data file]. Salt Lake City, UT: Utah Department of Health.
12. Utah Immunization Program (November 2004). *Head Start: Child Care Annual Summary Report*. Salt Lake City, UT: Utah Department of Health. **Note: 3 facilities in the Salt Lake Head Start Program did not report data.**
13. Utah Immunization Program (November 2004). *Public, Private, and Parochial 2<sup>nd</sup> Dose Measles (K-12): Second Dose Measles Vaccine Report*. Salt Lake City, UT: Utah Department of Health.
14. Utah Immunization Program. (n.d.). *2004 program data* [Data file]. Salt Lake City, UT: Utah Department of Health.
15. Office of Epidemiology. (n.d.). *2004 program data* [Data file]. Salt Lake City, UT: Utah Department of Health.
16. Department of Health and Human Services, CDC. (n.d.). *National Immunization Survey* [Data file]. Retrieved August 23, 2004 from <http://www.cdc.gov/nip/coverage/default.htm#NIS>
17. *Behavioral Risk Factor Surveillance System*. Retrieved on July 18, 2005 from Utah Department of Health, Center for Health Data, Indicator-Based Information System for Public Health website: <http://ibis.health.utah.gov/>
18. *Behavioral Risk Factor Surveillance System*. Retrieved on June 20, 2005 from Utah Department of Health, Center for Health Data, Indicator-Based Information System for Public Health website: <http://ibis.health.utah.gov/>

## **Immunization Program, Maternal and Child Health Bureau**

Division of Community and Family Health Services  
Utah Department of Health  
PO Box 142001  
Salt Lake City, Utah 84114-2001  
Phone: (801) 538-9450  
Fax: (801) 538-9440  
Websites: [www.immunize-utah.org](http://www.immunize-utah.org)  
[www.usiis.org](http://www.usiis.org)

## **Data Resources Program, Maternal and Child Health Bureau**

Division of Community and Family Health Services  
Utah Department of Health  
PO Box 142001  
Salt Lake City, Utah 84114-2001  
Phone: (801) 538-6916  
Fax: (801) 538-6510

## **Child Adolescent School Health Program, Maternal and Child Health Bureau**

Division of Community and Family Health Services  
Utah Department of Health  
PO Box 142001  
Salt Lake City, Utah 84114-2001  
Phone: (801) 538-9459  
Fax: (801) 538-9409  
Website: [www.health.utah.gov/cash](http://www.health.utah.gov/cash)

## **Women Infants and Children Program, Maternal and Child Health Bureau**

Division of Community and Family Health Services  
Utah Department of Health  
PO Box 141013  
Salt Lake City, Utah 84114-1013  
Phone: (801) 538-6620  
Fax: (801) 538-6729  
Website: [www.health.utah.gov/wic](http://www.health.utah.gov/wic)

## **Other Resources Available**

National Immunization Program  
National Immunization Data and Statistics  
Immunization Action Coalition  
Healthy People 2010

[www.cdc.org/nip](http://www.cdc.org/nip)  
[www.cdc.gov/nip/data/default.htm](http://www.cdc.gov/nip/data/default.htm)  
[www.immunize.org](http://www.immunize.org)  
[www.healthypeople.gov](http://www.healthypeople.gov)

Utah Department of Health  
Utah Maternal and Child Health Bureau  
Utah Office of Public Health Assessment  
Office of Health Care Statistics  
Utah Medicaid Program

[www.health.utah.gov](http://www.health.utah.gov)  
[www.health.utah.gov/cfhs/mch](http://www.health.utah.gov/cfhs/mch)  
<http://ibis.health.utah.gov>  
[www.health.utah.gov/had](http://www.health.utah.gov/had)  
[www.health.utah.gov/medicaid](http://www.health.utah.gov/medicaid)

Intermountain Health Care (IHC) routinely uses Clinical Assessment Software Application to assess the immunization rates of providers and clinics within the network. During 2004 IHC conducted an adolescent immunization assessment of providers and clinics in Salt Lake, Davis, Weber, Cache, and Utah counties.

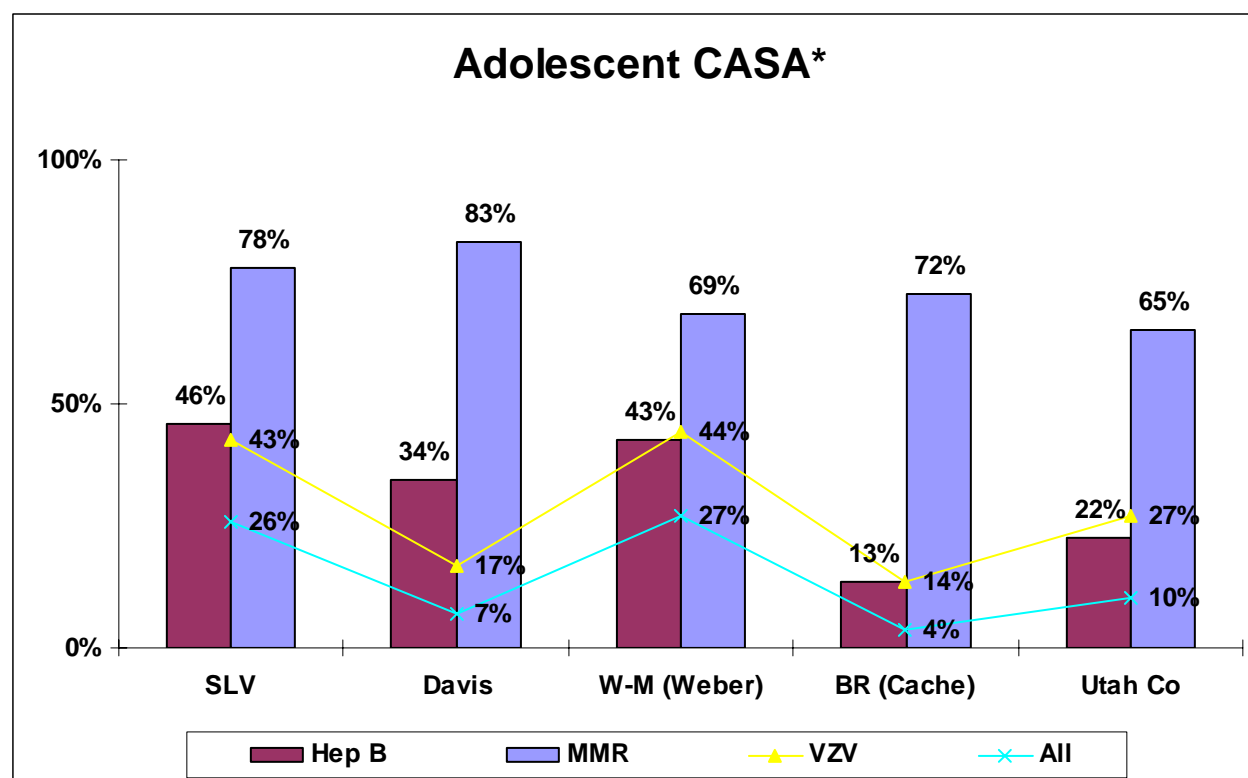
This assessment reviewed immunization records for up to 100 active patients with birth dates between 7/1/90 and 6/30/91 per clinic. (Patient turned 13 years of age between 7/1/2003 and 6/30/2004.) The vaccines examined were:

*Hepatitis B (either two or three dose depending on vaccine)*

*MMR (one with a booster if necessary)*

*Chickenpox VZV (vaccination given or disease encountered)*

If it was a paperless office, the immunization records maintained in the Utah Statewide Immunization Information System (USIIS) were used. (USIIS is the immunization registry accessible to authorized health, medical office professionals, school and daycare officials, and publicly funded programs.)



\*Data collected and graph provided by IHC.

## IMMUNIZATION REPORT FOR LONG TERM CARE FACILITIES

The Utah Immunization Program requires long term care facilities to report the influenza and pneumococcal immunization status of patients and the influenza and hepatitis B immunization status of employees. Completion of the annual report is required to prevent sanctioning of a facility's license.

Included in the report are persons who are residents and employees of a facility between October 1st and December 31st of the survey year. The survey is to be completed on-line no later than the following January 31st. Facilities reporting are: hospitals (swing beds and transitional care beds), nursing care facilities, small health care facilities, type I and type II assisted living facilities. One hundred percent (100%) of the 266 active care facilities reported for 2004.

A portion of the survey is reported here:

*Influenza immunizations:* given during the report time period.

*Pneumococcal immunizations:* given at any time.

*Hepatitis B immunizations:* given at any time to an employee having direct patient contact.

### STATE OF UTAH

#### ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>State of Utah</i>	Number	Flu	Pneumococcal	Hepatitis B
<b>Facilities</b>	<b>266</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Residents</b>	<b>12,764</b>	<b>71.8%</b>	<b>27.4%</b>	<b>NA</b>
<b>Employees</b>				
<b>All</b>	<b>15,805</b>	<b>39.4%</b>	<b>NA</b>	<b>NA</b>
<b>Direct Patient Care</b>	<b>10,626</b>	<b>NA</b>	<b>NA</b>	<b>53.8%</b>

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Bear River HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	17	NA	NA	NA
Residents	850	78.7%	34.7%	NA
Employees				
All	1363	30.5%	NA	NA
Direct Patient Care	1061	NA	NA	45.5%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Central HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	17	NA	NA	NA
Residents	375	80.2%	38.4%	NA
Employees				
All	894	64.4%	NA	NA
Direct Patient Care	594	NA	NA	66.4%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Davis County HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	25	NA	NA	NA
Residents	1270	72.5%	21.3%	NA
Employees				
All	1420	38.9%	NA	NA
Direct Patient Care	814	NA	NA	57.3%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Salt Lake Valley HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	84	NA	NA	NA
Residents	4960	73.6%	23.7%	NA
Employees				
All	4997	5.2%	NA	NA
Direct Patient Care	3320	NA	NA	46.2%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Southeastern Utah HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	6	NA	NA	NA
Residents	289	65.1%	12.5%	NA
Employees				
All	303	57.0%	NA	NA
Direct Patient Care	164	NA	NA	43.3%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Southwest Utah HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	20	NA	NA	NA
Residents	432	71.8%	60.4%	NA
Employees				
All	834	46.8%	NA	NA
Direct Patient Care	489	NA	NA	69.7%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Summit County HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	2	NA	NA	NA
Residents	19	63.2%	26.3%	NA
Employees				
All	19	26.3%	NA	NA
Direct Patient Care	11	NA	NA	72.7%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Tooele County HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	4	NA	NA	NA
Residents	144	81.9%	6.9%	NA
Employees				
All	441	70.3%	NA	NA
Direct Patient Care	335	NA	NA	78.5%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>TriCounty HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	6	NA	NA	NA
Residents	192	73.4%	28.7%	NA
Employees				
All	852	50.2%	NA	NA
Direct Patient Care	541	NA	NA	63.5%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Utah County HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	59	NA	NA	NA
Residents	2319	71.2%	35.9%	NA
Employees				
All	2852	34.2%	NA	NA
Direct Patient Care	2073	NA	NA	72.7%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

<i>Wasatch County HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	3	NA	NA	NA
Residents	45	93.3%	13.3%	NA
Employees				
All	165	80.6%	NA	NA
Direct Patient Care	112	NA	NA	91.1%

## ADULT IMMUNIZATIONS LONG TERM CARE FACILITIES 2004

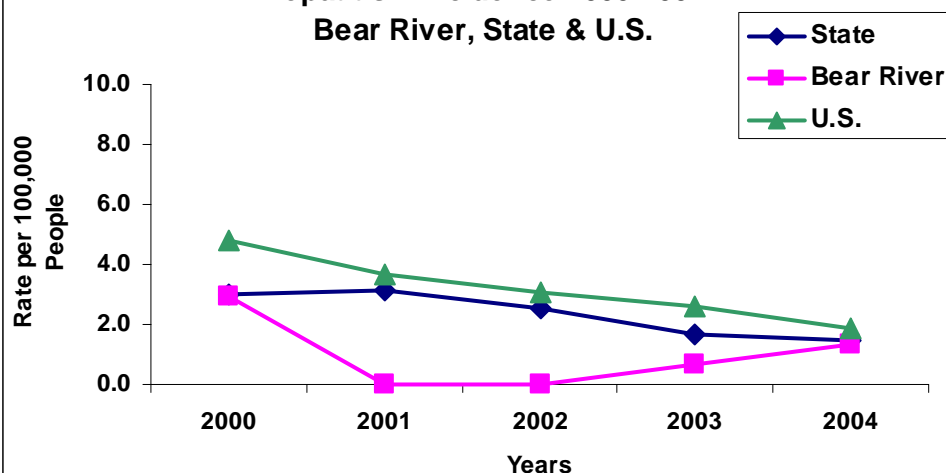
<i>Weber-Morgan HD</i>	Number	Flu	Pneumococcal	Hepatitis B
Facilities	23	NA	NA	NA
Residents	1869	61.7%	21.6%	NA
Employees				
All	1665	31.0%	NA	NA
Direct Patient Care	1112	NA	NA	47.8%

## Appendix C Incidence of Disease

Hepatitis A, Hepatitis B and Pertussis are diseases that are preventable through immunization. Trends in vaccine preventable diseases are tracked with the intent that the data can be helpful in developing collaborative immunization campaign efforts. The Office of Epidemiology at the Utah Department of Health provided the following data in Appendix C for statewide and local health districts.

### Hepatitis A Incidence 2000-2004

Bear River, State & U.S.



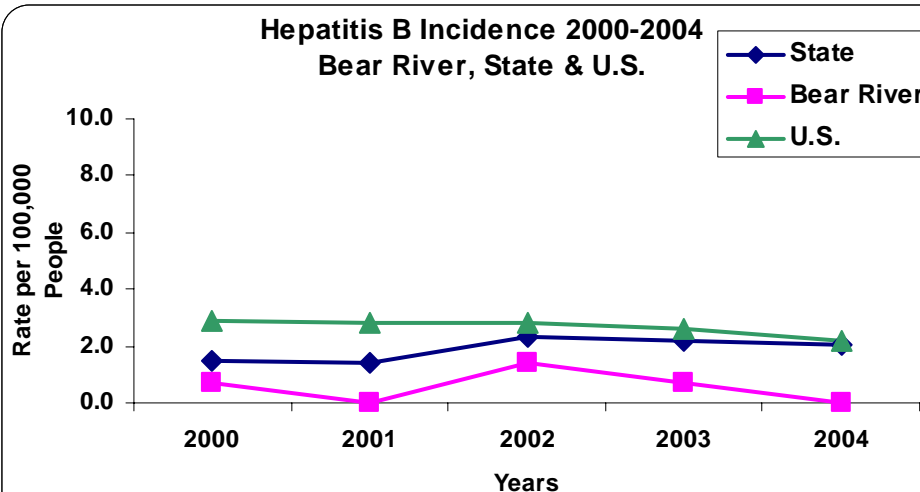
Hepatitis A			
Year	US	State	BR
2000	4.8	3.0	2.9
2001	3.7	3.2	0.0
2002	3.1	2.5	0.0
2003	2.6	1.7	0.7
2004	1.9	1.5	1.4

### Hepatitis B

Year	US	State	BR
2000	2.9	1.5	0.7
2001	2.8	1.4	0.0
2002	2.8	2.3	1.4
2003	2.6	2.2	0.7
2004	2.2	2.1	0.0

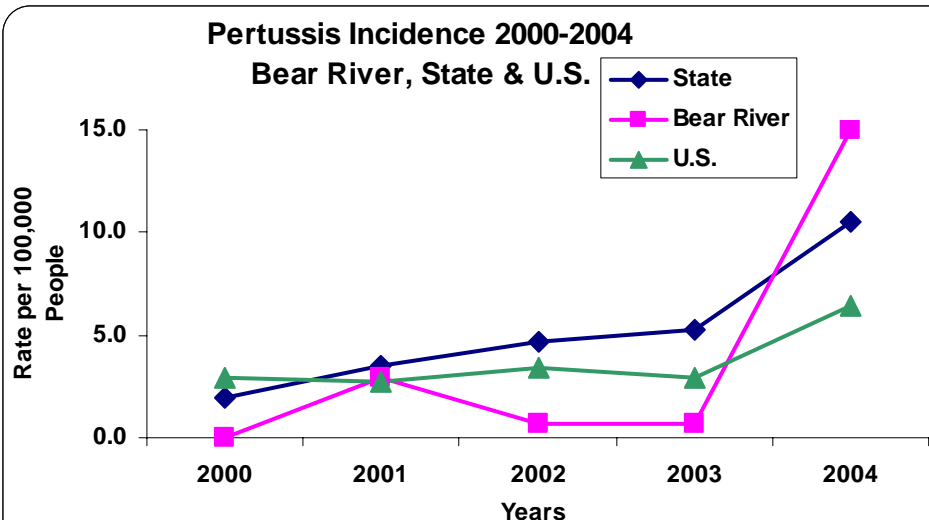
### Hepatitis B Incidence 2000-2004

Bear River, State & U.S.



### Pertussis Incidence 2000-2004

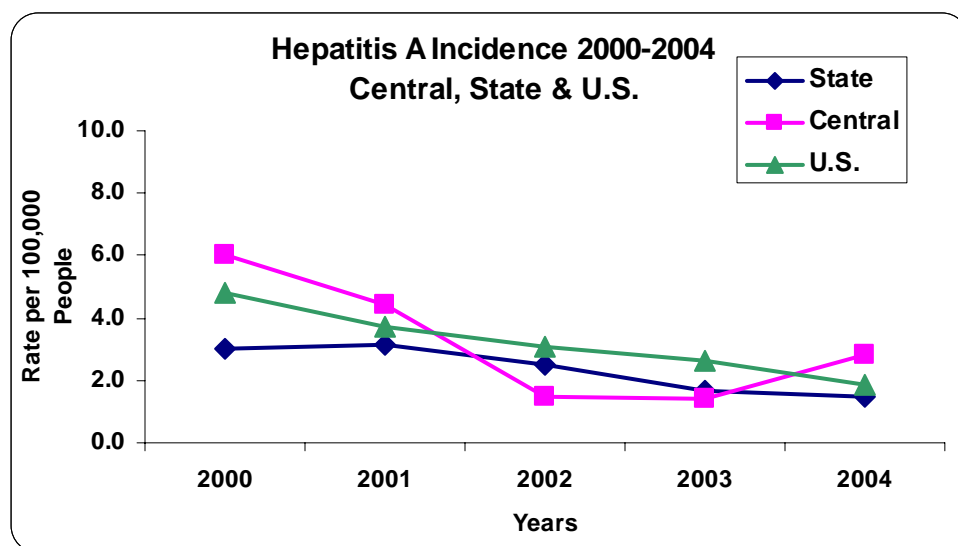
Bear River, State & U.S.



Pertussis			
Year	US	State	BR
2000	2.8	2.0	0.0
2001	2.7	3.5	2.9
2002	3.4	4.7	0.7
2003	2.9*	5.3	0.7
2004	6.5	10.5	15.0

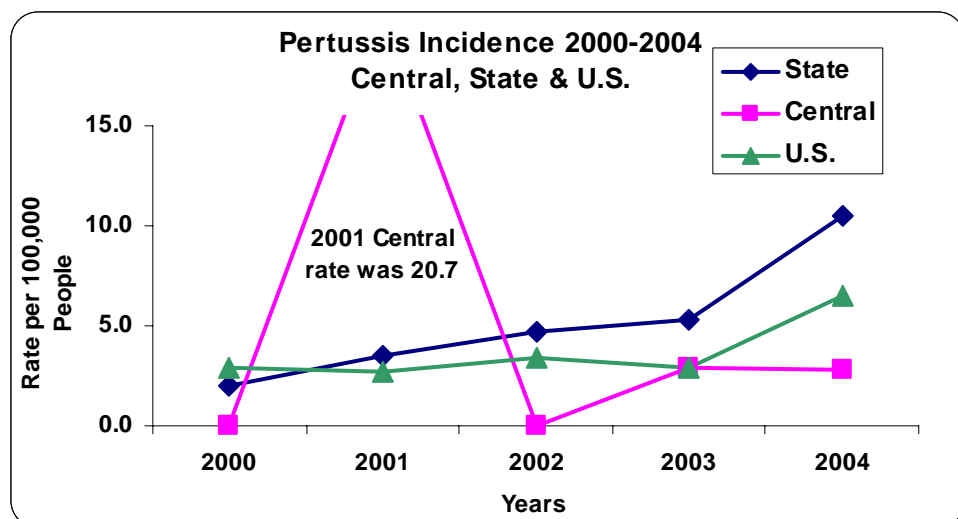
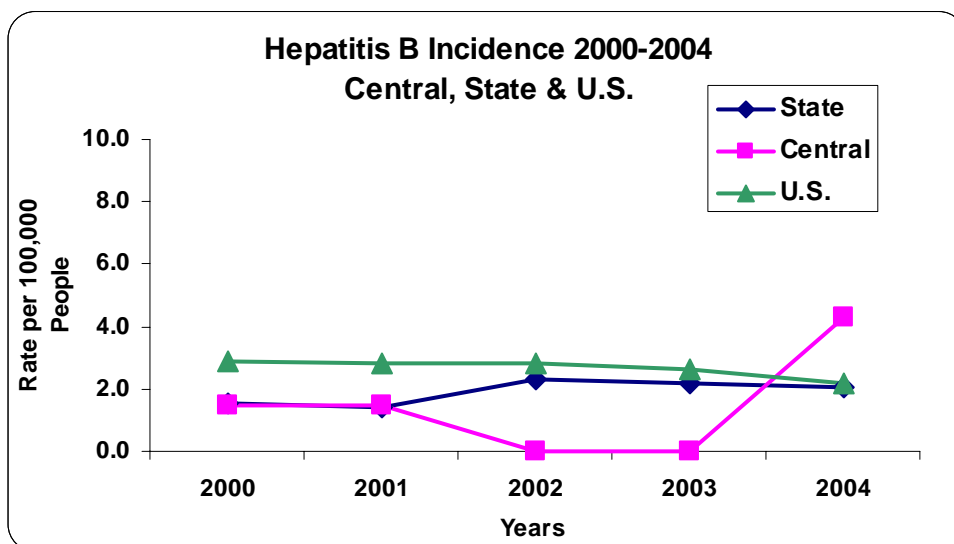
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	Central
2000	4.8	3.0	6.0
2001	3.7	3.2	4.4
2002	3.1	2.5	1.5
2003	2.6	1.7	1.4
2004	1.9	1.5	2.9

Hepatitis B			
Year	US	State	Central
2000	2.9	1.5	1.5
2001	2.8	1.4	1.5
2002	2.8	2.3	0.0
2003	2.6	2.2	0.0
2004	2.2	2.1	4.3

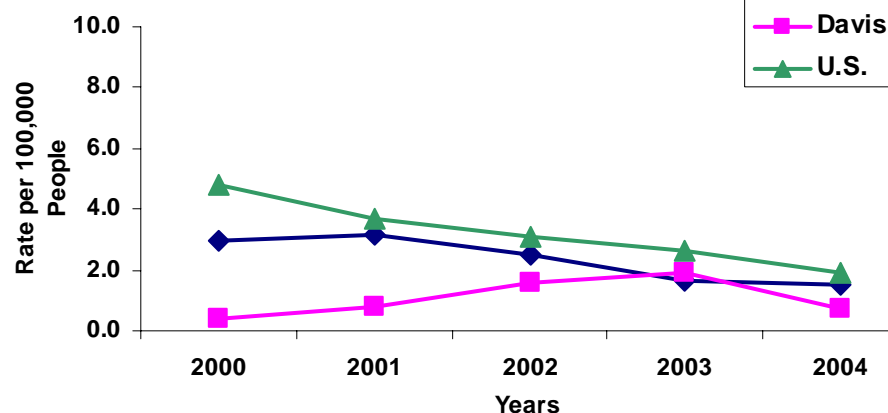


Pertussis			
Year	US	State	Central
2000	2.8	2.0	0.0
2001	2.7	3.5	20.7
2002	3.4	4.7	0.0
2003	2.9*	5.3	2.9
2004	6.5	10.5	2.9

\*In 2003, the rate from MMWR for U.S. was 4.0.

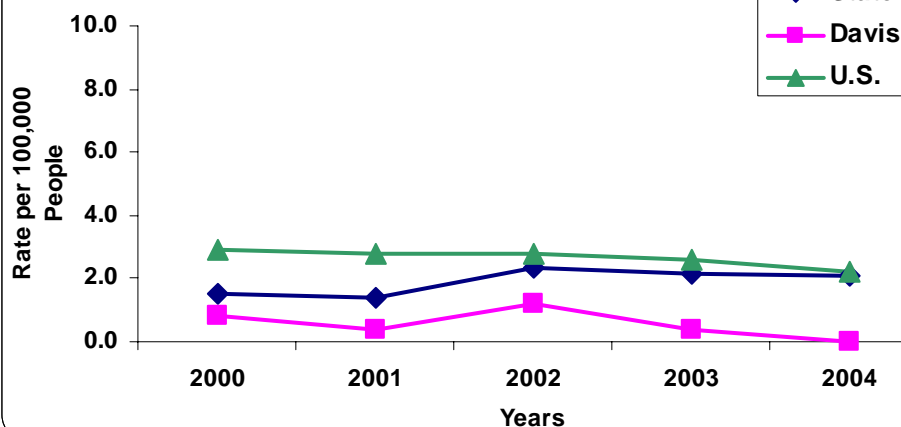
# Appendix C Incidence of Disease

**Hepatitis A Incidence 2000-2004**  
Davis County, State & U.S.



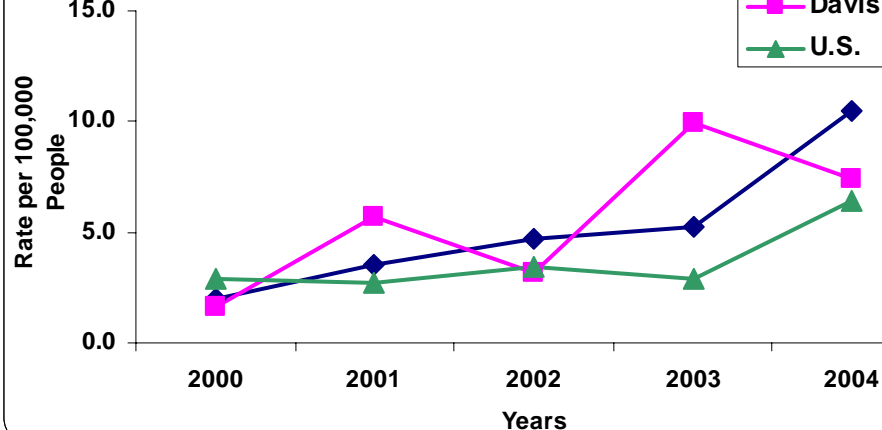
Hepatitis A			
Year	US	State	Davis
2000	4.8	3.0	0.4
2001	3.7	3.2	0.8
2002	3.1	2.5	1.6
2003	2.6	1.7	1.9
2004	1.9	1.5	0.7

**Hepatitis B Incidence 2000-2004**  
Davis County, State & U.S.



Hepatitis B			
Year	US	State	Davis
2000	2.9	1.5	0.8
2001	2.8	1.4	0.4
2002	2.8	2.3	1.2
2003	2.6	2.2	0.4
2004	2.2	2.1	0.0

**Pertussis Incidence 2000-2004**  
Davis County, State & U.S.

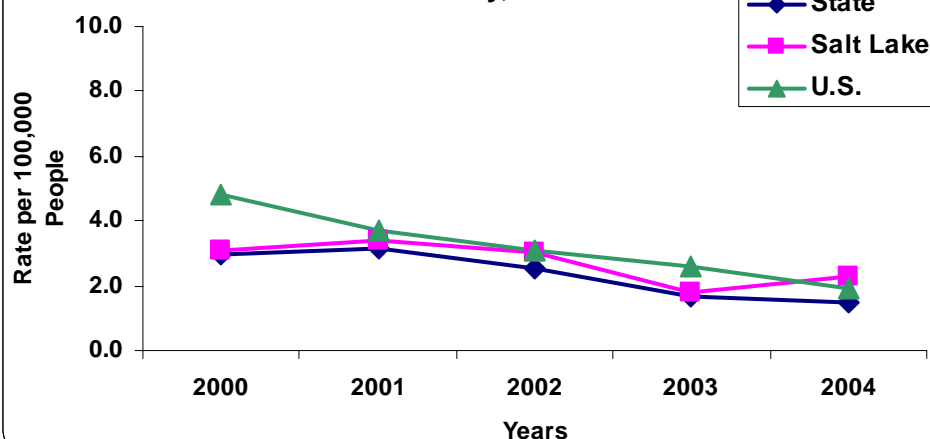


Pertussis			
Year	US	State	Davis
2000	2.8	2.0	1.7
2001	2.7	3.5	5.7
2002	3.4	4.7	3.1
2003	2.9*	5.3	9.9
2004	6.5	10.5	7.4

\*In 2003, the rate from MMWR for U.S. was 4.0.

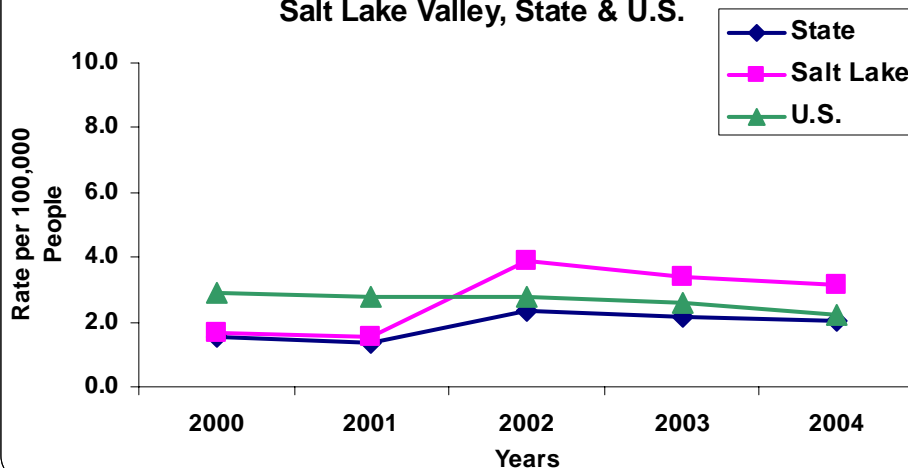
# Appendix C Incidence of Disease

**Hepatitis A Incidence 2000-2004**  
Salt Lake Valley, State & U.S.



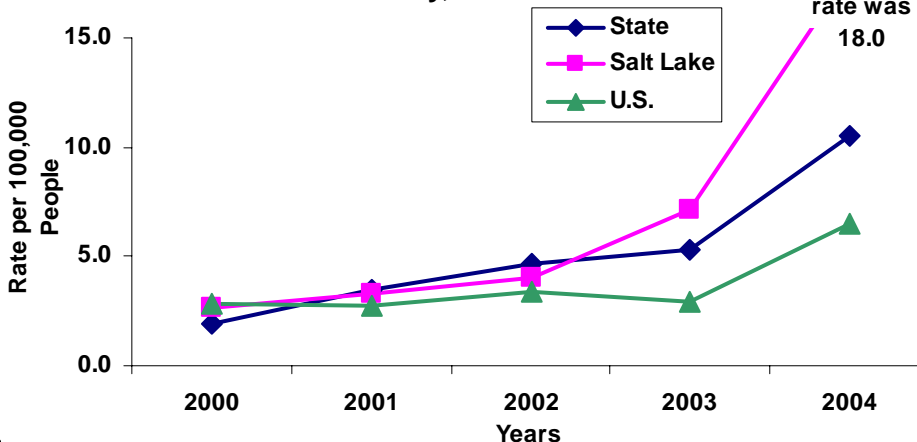
Hepatitis A			
Year	US	State	SLV
2000	4.8	3.0	3.1
2001	3.7	3.2	3.4
2002	3.1	2.5	3.0
2003	2.6	1.7	1.8
2004	1.9	1.5	2.3

**Hepatitis B Incidence 2000-2004**  
Salt Lake Valley, State & U.S.



Hepatitis B			
Year	US	State	SLV
2000	2.9	1.5	1.7
2001	2.8	1.4	1.5
2002	2.8	2.3	3.9
2003	2.6	2.2	3.4
2004	2.2	2.1	3.1

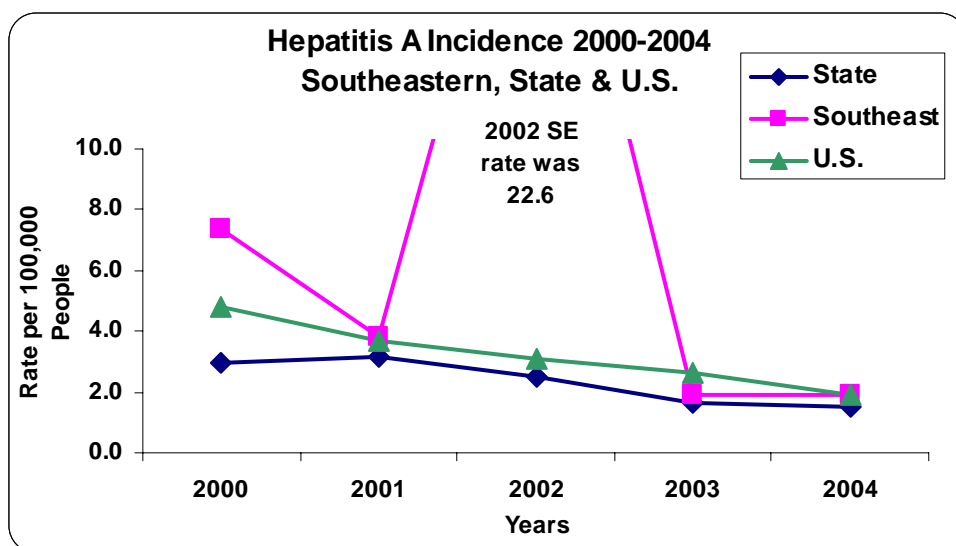
**Pertussis Incidence 2000-2004**  
Salt Lake Valley, State & U.S.



Pertussis			
Year	US	State	SLV
2000	2.8	2.0	2.7
2001	2.7	3.5	3.3
2002	3.4	4.7	4.0
2003	2.9*	5.3	7.1
2004	6.5	10.5	18.0

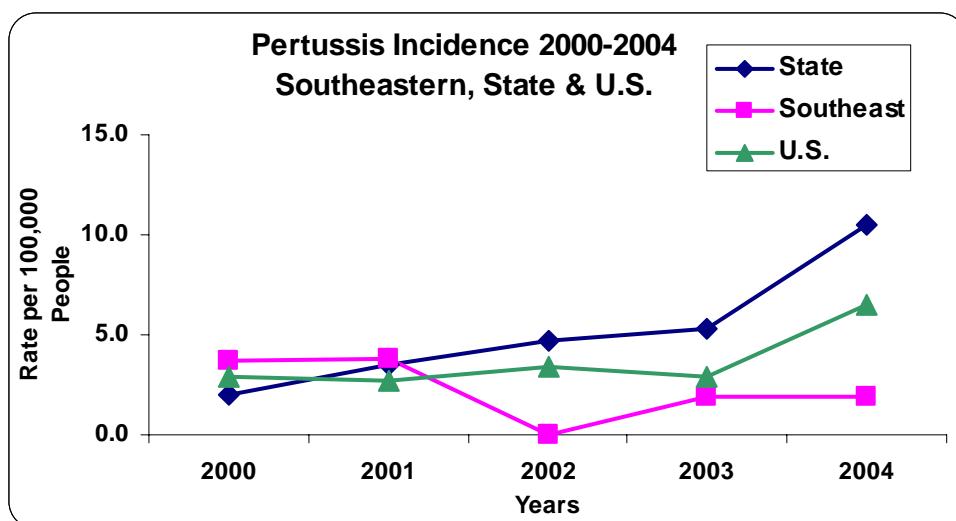
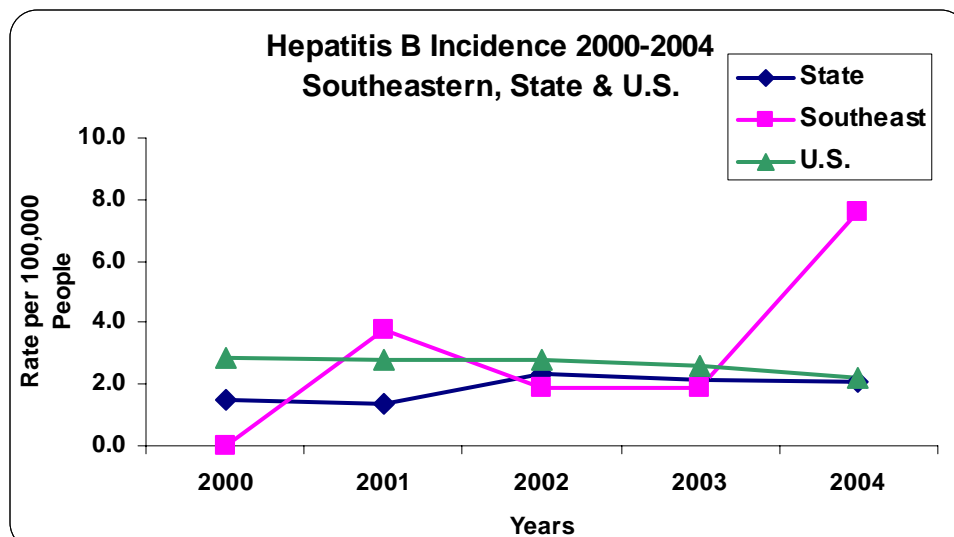
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	SE
2000	4.8	3.0	7.4
2001	3.7	3.2	3.8
2002	3.1	22.6	2.5
2003	2.6	1.7	1.9
2004	1.9	1.5	1.9

Hepatitis B			
Year	US	State	SE
2000	2.9	1.5	0.0
2001	2.8	1.4	3.8
2002	2.8	2.3	1.9
2003	2.6	2.2	1.9
2004	2.2	2.1	7.6

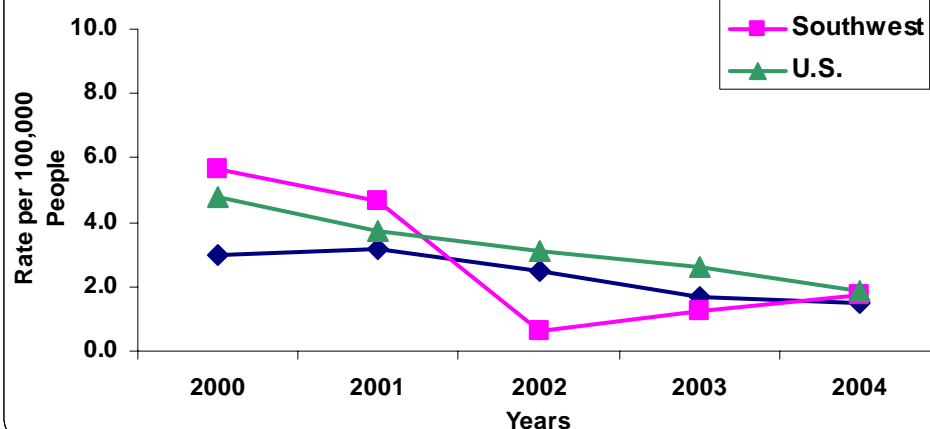


Pertussis			
Year	US	State	SE
2000	2.8	2.0	3.7
2001	2.7	3.5	3.8
2002	3.4	4.7	0.0
2003	2.9*	5.3	1.9
2004	6.5	10.5	1.9

\*In 2003, the rate from MMWR for U.S. was 4.0.

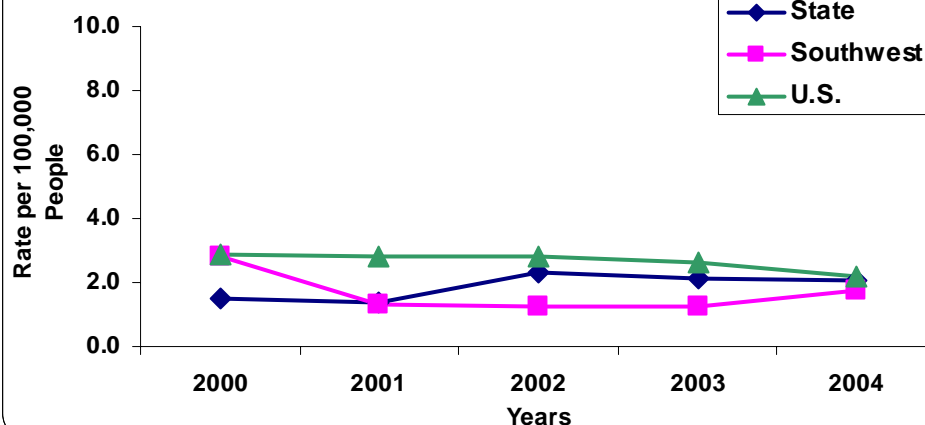
# Appendix C Incidence of Disease

**Hepatitis A Incidence 2000-2004  
Southwest, State & U.S.**



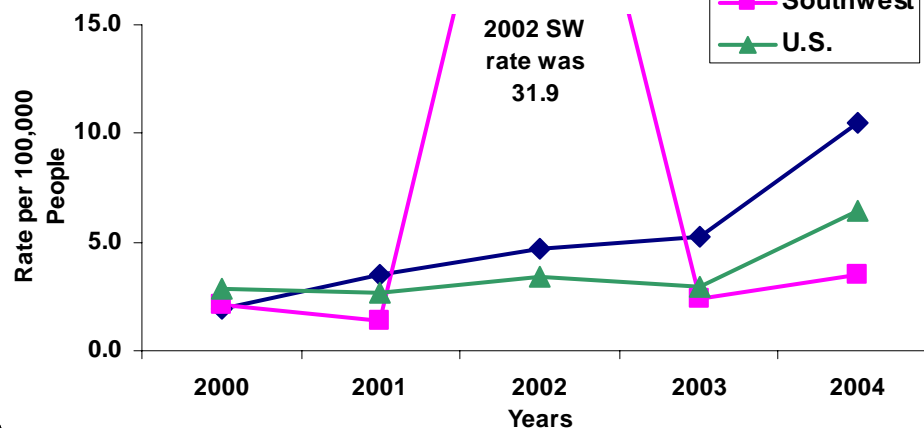
Hepatitis A			
Year	US	State	SW
2000	4.8	3.0	5.6
2001	3.7	3.2	4.7
2002	3.1	2.5	0.6
2003	2.6	1.7	1.2
2004	1.9	1.5	1.7

**Hepatitis B Incidence 2000-2004  
Southwest, State & U.S.**



Hepatitis B			
Year	US	State	SW
2000	2.9	1.5	2.8
2001	2.8	1.4	1.3
2002	2.8	2.3	1.3
2003	2.6	2.2	1.2
2004	2.2	2.1	1.7

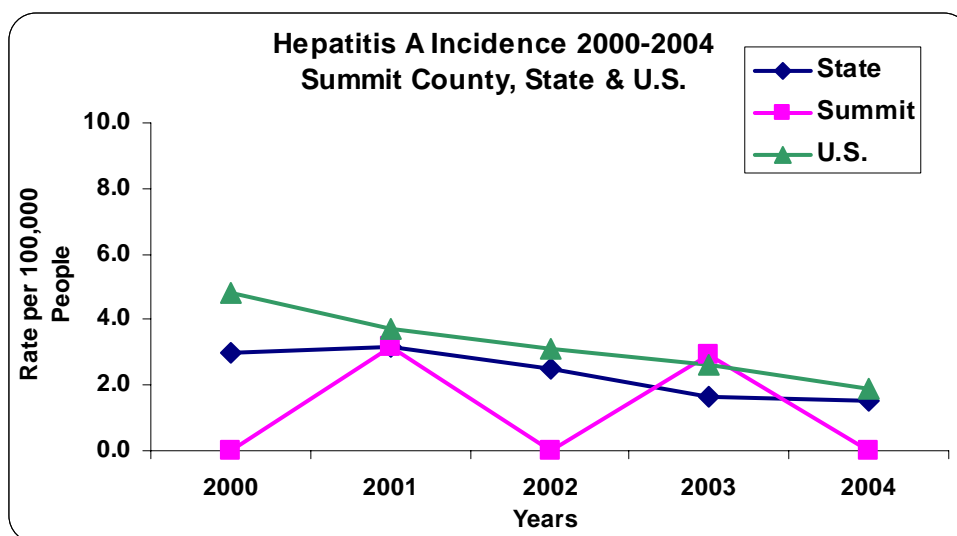
**Pertussis Incidence 2000-2004  
Southwest, State & U.S.**



Pertussis			
Year	US	State	SW
2000	2.8	2.0	2.1
2001	2.7	3.5	1.3
2002	3.4	4.7	31.9
2003	2.9*	5.3	2.4
2004	6.5	10.5	3.5

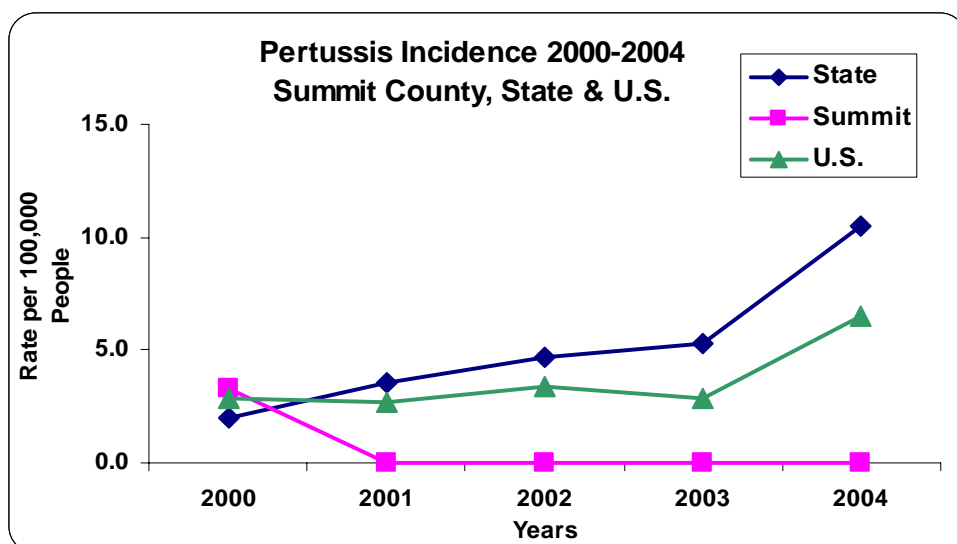
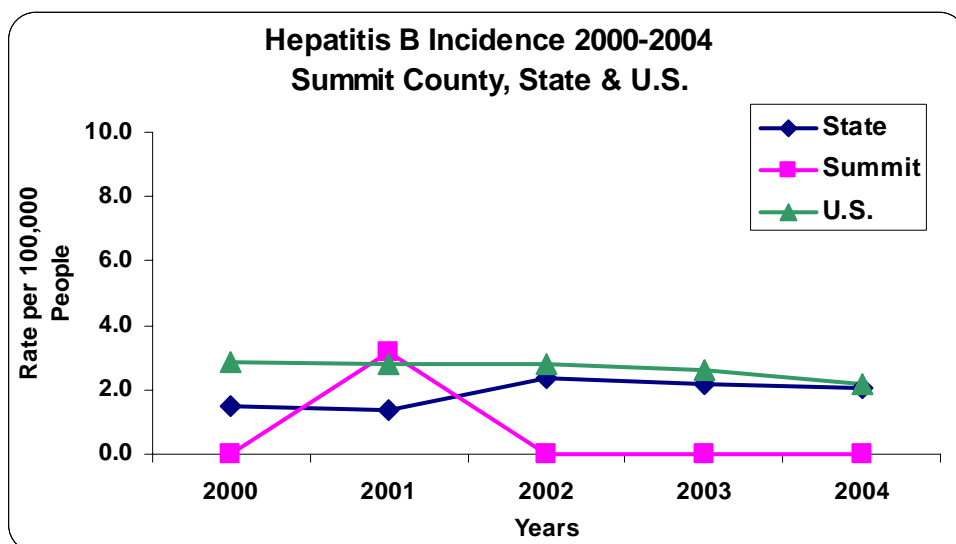
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	Sum
2000	4.8	3.0	0.0
2001	3.7	3.2	3.2
2002	3.1	2.5	0.0
2003	2.6	1.7	2.9
2004	1.9	1.5	0.0

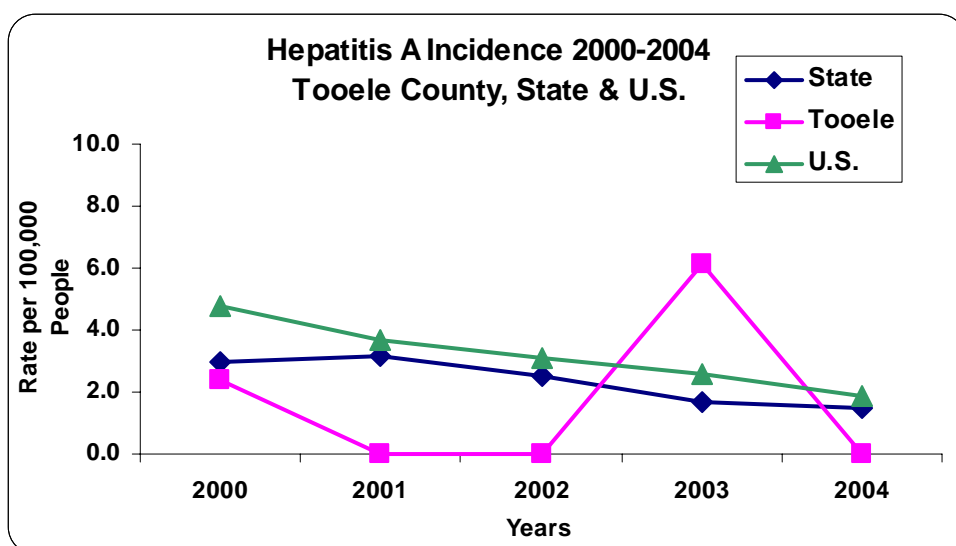
Hepatitis B			
Year	US	State	Sum
2000	2.9	1.5	0.0
2001	2.8	1.4	3.2
2002	2.8	2.3	0.0
2003	2.6	2.2	0.0
2004	2.2	2.1	0.0



Pertussis			
Year	US	State	Sum
2000	2.8	2.0	3.3
2001	2.7	3.5	0.0
2002	3.4	4.7	0.0
2003	2.9*	5.3	0.0
2004	6.5	10.5	0.0

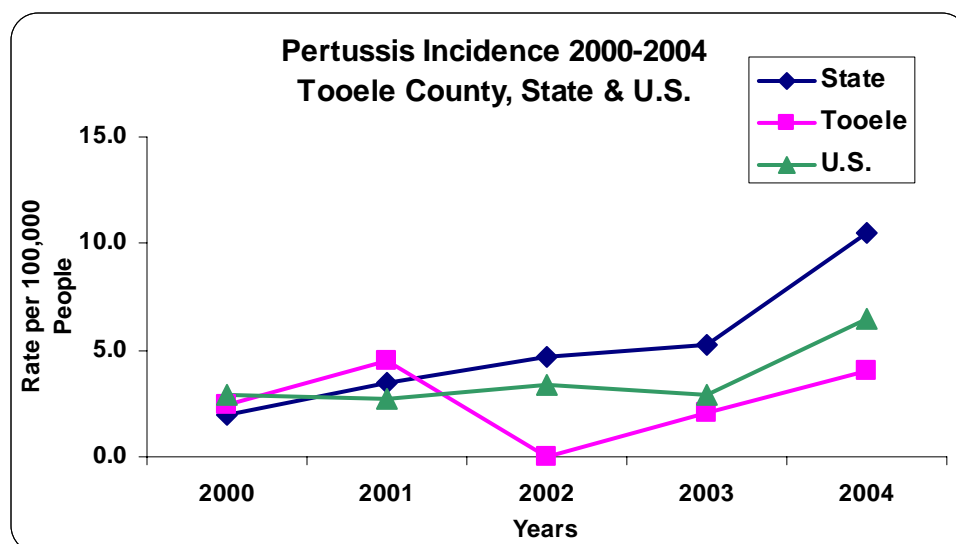
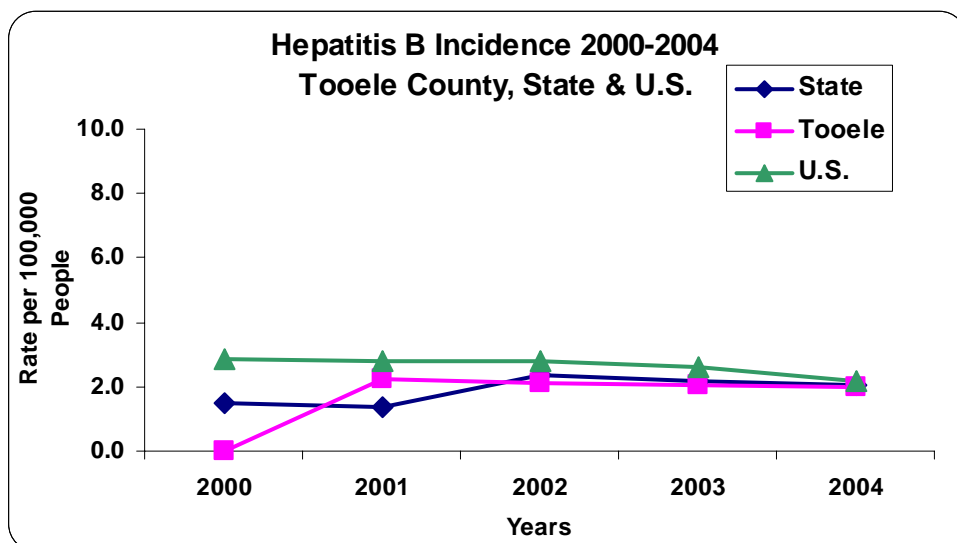
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	Tooele
2000	4.8	3.0	2.4
2001	3.7	3.2	0.0
2002	3.1	2.5	0.0
2003	2.6	1.7	6.1
2004	1.9	1.5	0.0

Hepatitis B			
Year	US	State	Tooele
2000	2.9	1.5	0.0
2001	2.8	1.4	2.3
2002	2.8	2.3	2.1
2003	2.6	2.2	2.0
2004	2.2	2.1	2.0

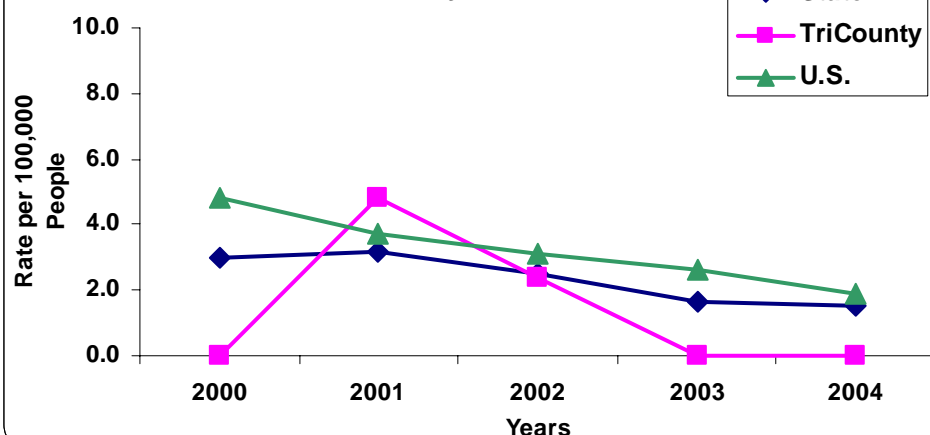


Pertussis			
Year	US	State	Tooele
2000	2.8	2.0	2.4
2001	2.7	3.5	4.5
2002	3.4	4.7	0.0
2003	2.9*	5.3	2.0
2004	6.5	10.5	4.0

\*In 2003, the rate from MMWR for U.S. was 4.0.

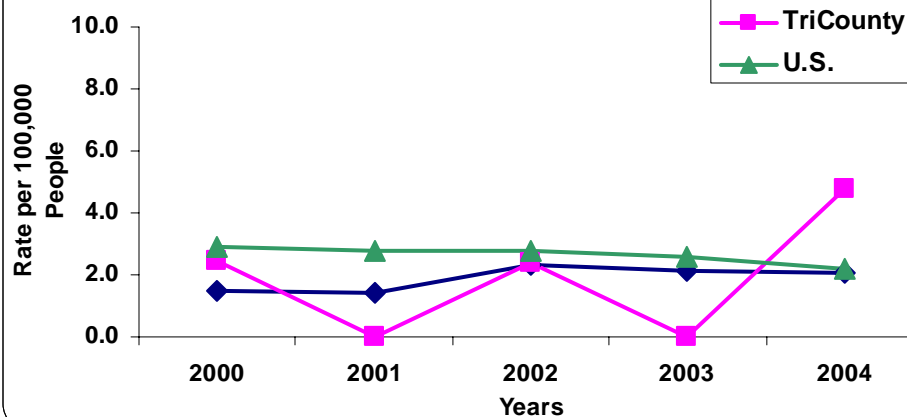
# Appendix C Incidence of Disease

**Hepatitis A Incidence 2000-2004**  
TriCounty, State & U.S.



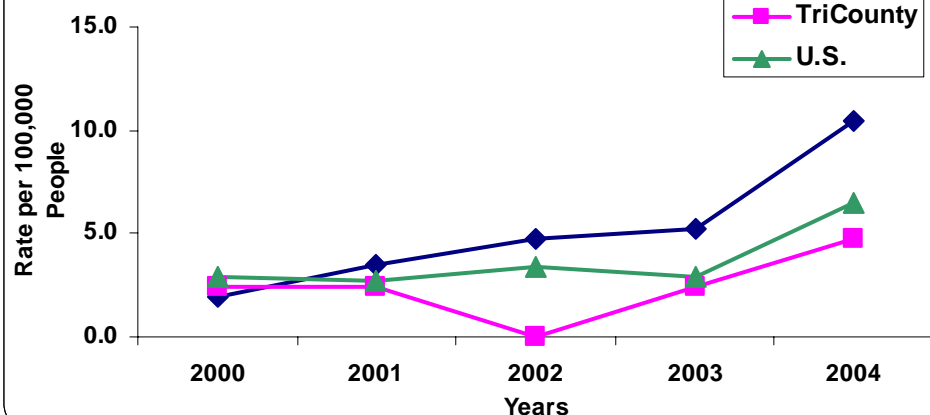
Hepatitis A			
Year	US	State	TriCo
2000	4.8	3.0	0.0
2001	3.7	3.2	4.8
2002	3.1	2.5	2.4
2003	2.6	1.7	0.0
2004	1.9	1.5	0.0

**Hepatitis B Incidence 2000-2004**  
TriCounty, State & U.S.



Hepatitis B			
Year	US	State	TriCo
2000	2.9	1.5	2.5
2001	2.8	1.4	0.0
2002	2.8	2.3	2.4
2003	2.6	2.2	0.0
2004	2.2	2.1	4.8

**Pertussis Incidence 2000-2004**  
TriCounty, State & U.S.

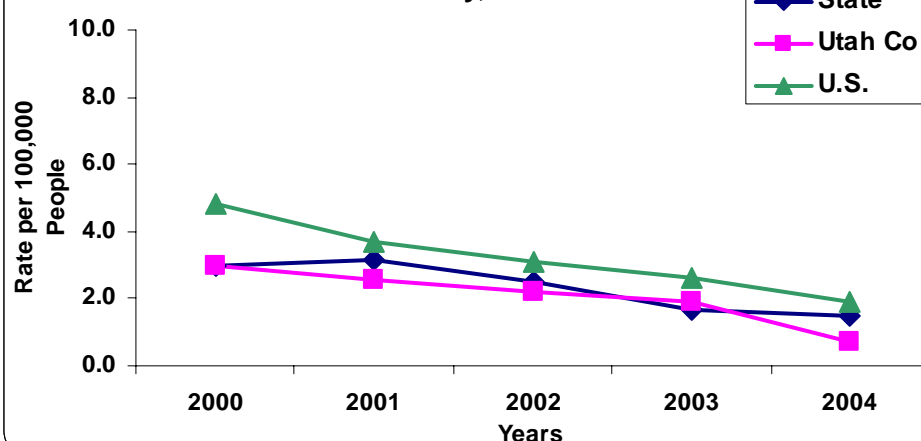


Pertussis			
Year	US	State	TriCo
2000	2.8	2.0	2.5
2001	2.7	3.5	2.4
2002	3.4	4.7	0.0
2003	2.9*	5.3	2.4
2004	6.5	10.5	4.8

\*In 2003, the rate from MMWR for U.S. was 4.0.

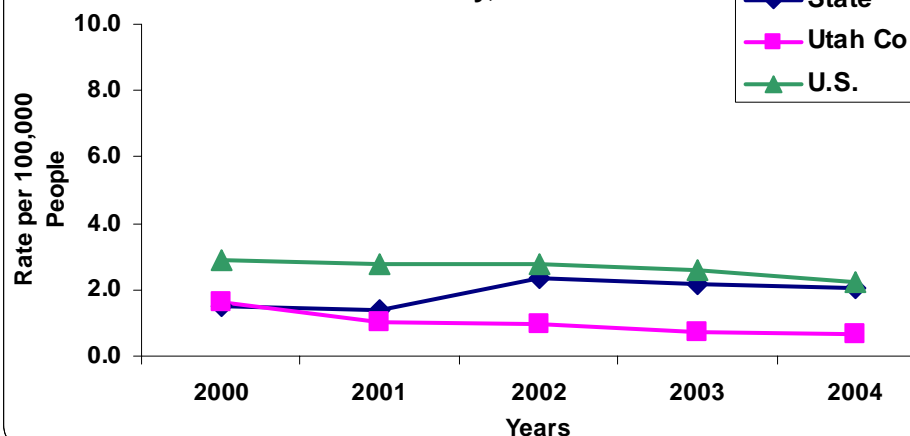
# Appendix C Incidence of Disease

**Hepatitis A Incidence 2000-2004**  
Utah County, State & U.S.



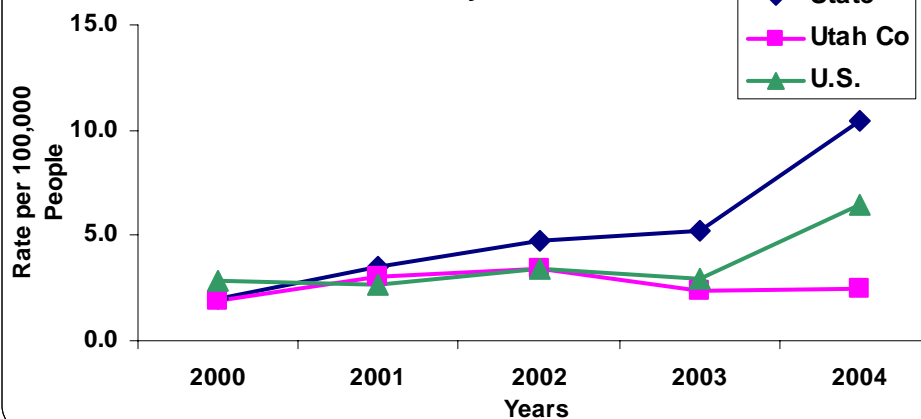
Hepatitis A			
Year	US	State	UtahCo
2000	4.8	3.0	3.0
2001	3.7	3.2	2.6
2002	3.1	2.5	2.2
2003	2.6	1.7	1.9
2004	1.9	1.5	0.7

**Hepatitis B Incidence 2000-2004**  
Utah County, State & U.S.



Hepatitis B			
Year	US	State	UtahCo
2000	2.9	1.5	1.6
2001	2.8	1.4	1.0
2002	2.8	2.3	1.0
2003	2.6	2.2	0.7
2004	2.2	2.1	0.7

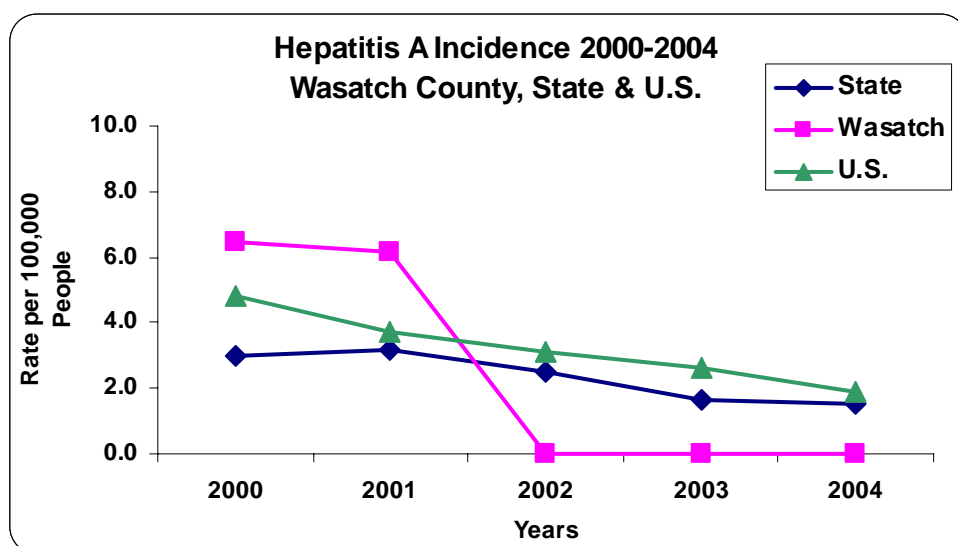
**Pertussis Incidence 2000-2004**  
Utah County, State & U.S.



Pertussis			
Year	US	State	UtahCo
2000	2.8	2.0	1.9
2001	2.7	3.5	3.1
2002	3.4	4.7	3.5
2003	2.9*	5.3	2.4
2004	6.5	10.5	2.5

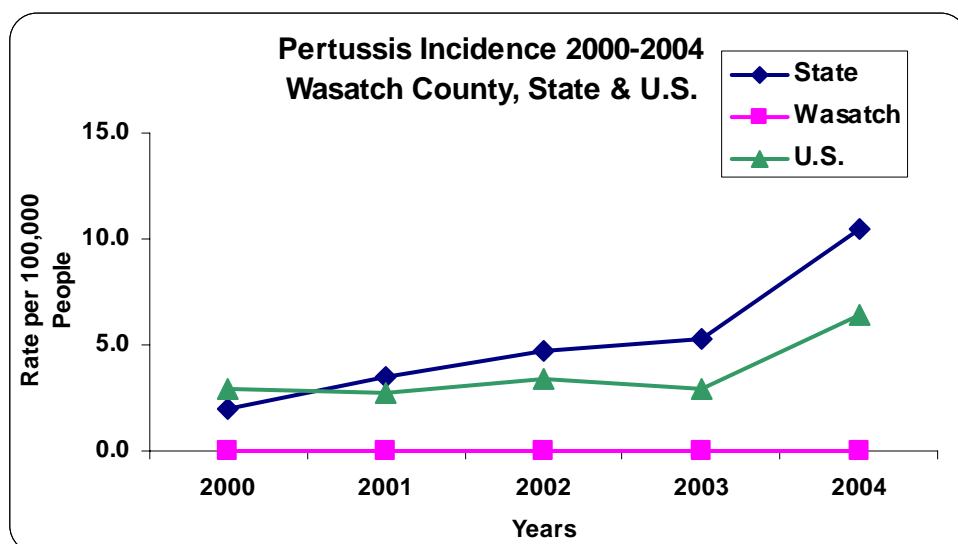
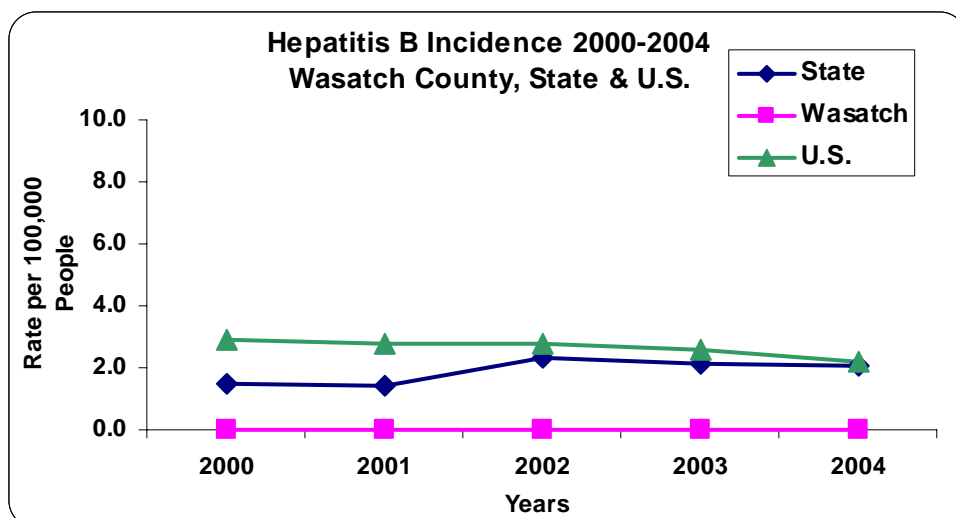
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	Was
2000	4.8	3.0	6.5
2001	3.7	3.2	6.2
2002	3.1	2.5	0.0
2003	2.6	1.7	0.0
2004	1.9	1.5	0.0

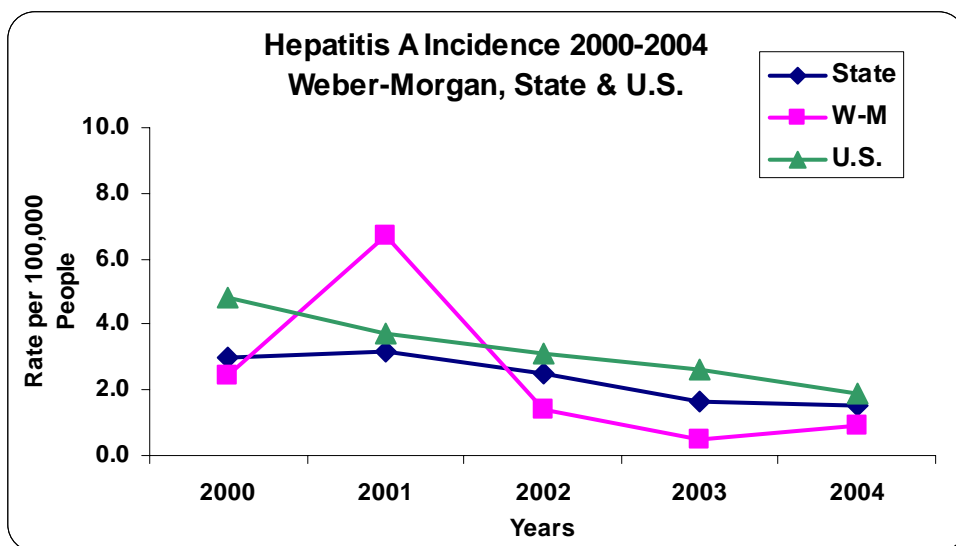
Hepatitis B			
Year	US	State	Was
2000	2.9	1.5	0.0
2001	2.8	1.4	0.0
2002	2.8	2.3	0.0
2003	2.6	2.2	0.0
2004	2.2	2.1	0.0



Pertussis			
Year	US	State	Was
2000	2.8	2.0	0.0
2001	2.7	3.5	0.0
2002	3.4	4.7	0.0
2003	2.9*	5.3	0.0
2004	6.5	10.5	0.0

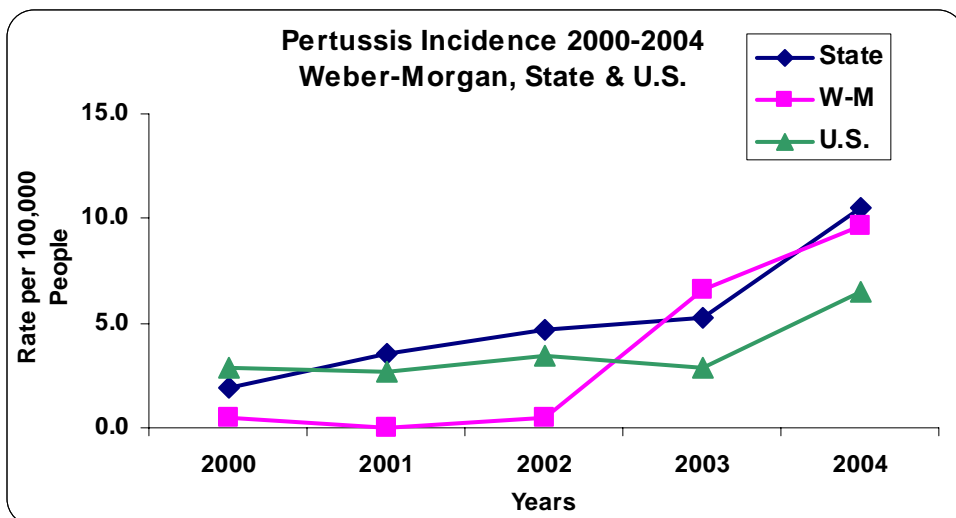
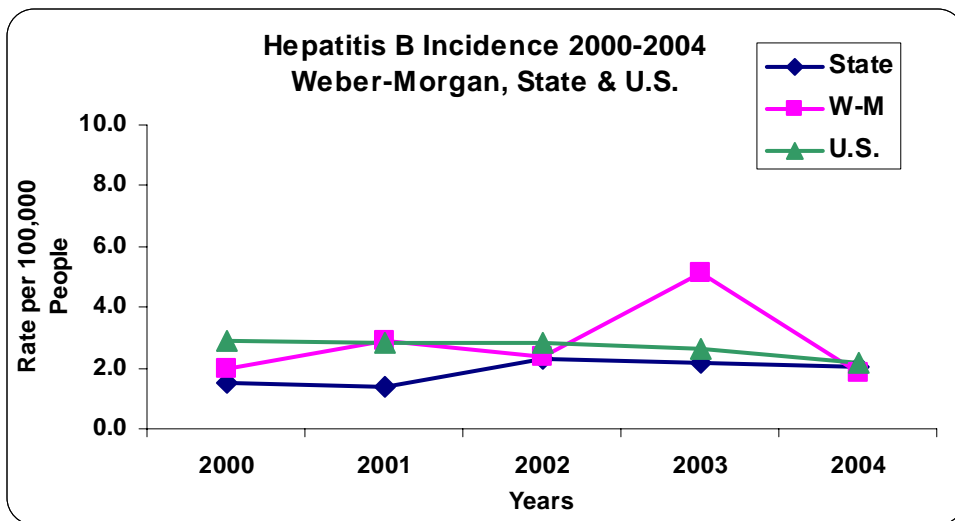
\*In 2003, the rate from MMWR for U.S. was 4.0.

# Appendix C Incidence of Disease



Hepatitis A			
Year	US	State	W-M
2000	4.8	3.0	2.4
2001	3.7	3.2	6.7
2002	3.1	2.5	1.4
2003	2.6	1.7	0.5
2004	1.9	1.5	0.9

Hepatitis B			
Year	US	State	W-M
2000	2.9	1.5	2.0
2001	2.8	1.4	2.9
2002	2.8	2.3	2.4
2003	2.6	2.2	5.1
2004	2.2	2.1	1.8



Pertussis			
Year	US	State	W-M
2000	2.8	2.0	0.5
2001	2.7	3.5	0.0
2002	3.4	4.7	0.5
2003	2.9*	5.3	6.6
2004	6.5	10.5	9.6

\*In 2003, the rate from MMWR for U.S. was 4.0.